

Section 5.3 Organic Compounds

Cloze Activity

Organic chemistry

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1. organic compounds; organic chemistry
2. inorganic compounds
3. carbon
4. hydrocarbons
5. methane
6. ethane
7. propane
8. butane
9. alcohol; oxygen
10. solvent
11. ethanol

Comprehension

Recognizing organic and inorganic compounds

Page 99

1. inorganic
2. organic
3. inorganic
4. inorganic
5. inorganic
6. inorganic
7. organic
8. organic
9. organic
10. organic
11. inorganic
12. inorganic
13. organic
14. inorganic
15. organic
16. organic
17. inorganic
18. organic
19. inorganic
20. inorganic
21. inorganic
22. inorganic
23. organic
24. inorganic
25. organic
26. organic
27. organic
28. organic

29. organic

30. organic

Applying Knowledge

Organic compounds versus inorganic compounds

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1. organic
2. organic
3. inorganic
4. organic
5. organic
6. organic
7. inorganic
8. organic

Assessment

Organic compounds

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1. B 2. A 3. D 4. C 5. A 6. D 7. D 8. A

Chapter 6 Chemical reactions occur in predictable ways.

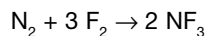
Section 6.1 Types of Chemical Reactions

Comprehension

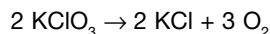
Classifying chemical reactions

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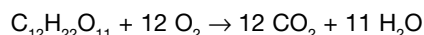
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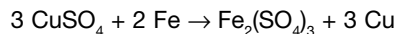
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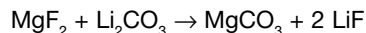
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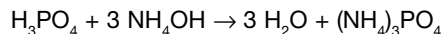
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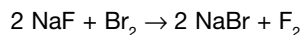
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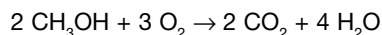
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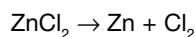
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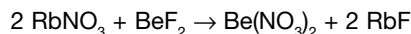
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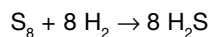
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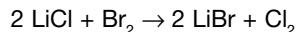
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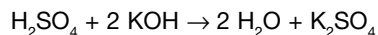
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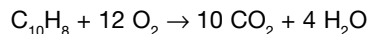
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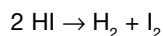
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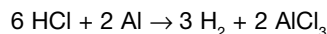
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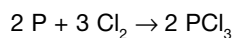
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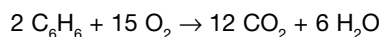
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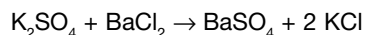
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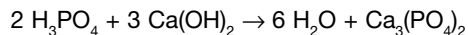
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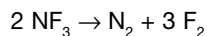
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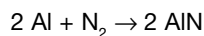
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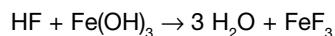
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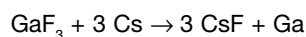
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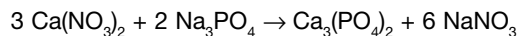
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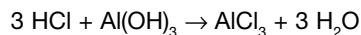
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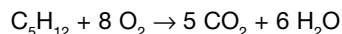
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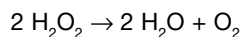
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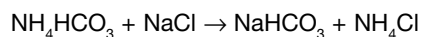
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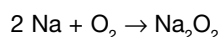
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29. DR



30. S

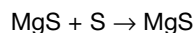


Applying Knowledge

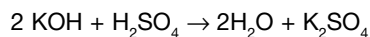
Types of chemical reactions — Word equations

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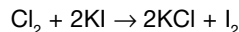
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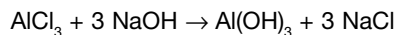
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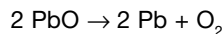
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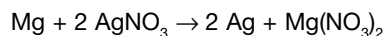
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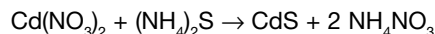
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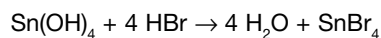
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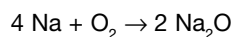
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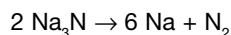
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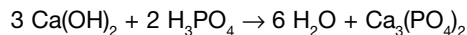
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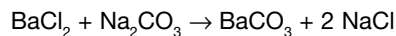
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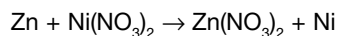
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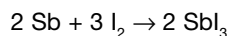
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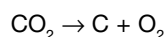
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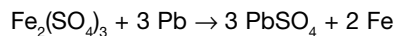
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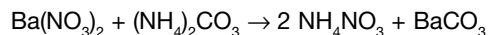
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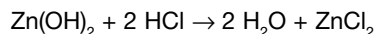
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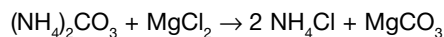
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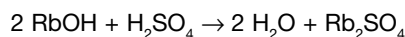
18. N



19. DR



20. N

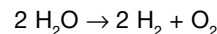


Applying Knowledge

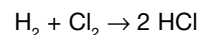
Predicting the products

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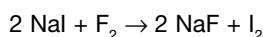
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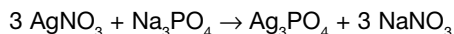
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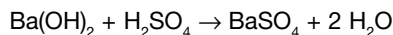
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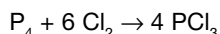
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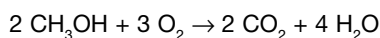
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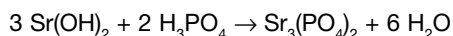
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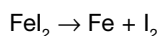
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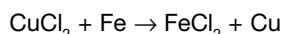
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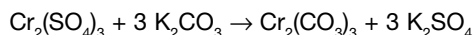
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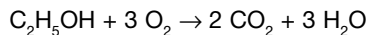
(j) SR



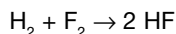
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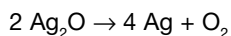
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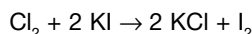
(m) S



(n) D

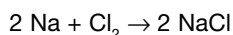


(o) SR



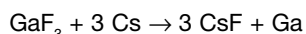
2. (a) S

sodium + chlorine → sodium chloride



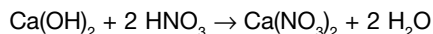
(b) SR

gallium fluoride + cesium →
cesium fluoride + gallium



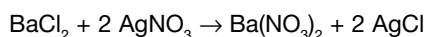
(c) N

calcium hydroxide + nitric acid →
calcium nitrate + water



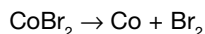
(d) DR

barium chloride + silver nitrate →
barium nitrate + silver chloride



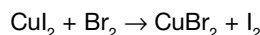
(e) D

cobalt(II) bromide → cobalt + bromine



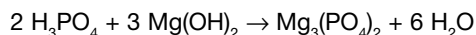
(f) SR

copper(II) iodide + bromine → copper(II) bromide
+ iodine



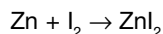
(g) N

phosphoric acid + magnesium hydroxide →
magnesium phosphate + water



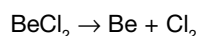
(h) S

zinc + iodine → zinc iodide



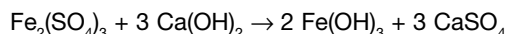
(i) D

beryllium chloride → beryllium + chlorine



(j) DR

iron(III) sulphate + calcium hydroxide →
iron(III) hydroxide + calcium sulphate



Assessment

Types of chemical reactions

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1. D 2. A 3. C 4. B 5. E 6. F 7. A 8. D 9. B 10. D 11. D
12. D 13. A 14. D 15. C 16. C 17. C 18. A

Section 6.2 Factors Affecting the Rate of Chemical Reactions

Cloze Activity

Rate of chemical reactions

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1. rate of reaction
2. heat; energy
3. temperature
4. concentration; collisions
5. dilute
6. surface area
7. catalyst
8. catalytic converter

Comprehension

Different rates of reaction

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1. (a) increases rate of reaction
(b) decreases rate of reaction
(c) increases rate of reaction
(d) decreases rate of reaction
(e) decreases rate of reaction