Vocabulary Review (5 pts. each)

1. waste heat
2. refraction
3. energy transfer
4. convection
5. light
6. reflection
7. conduction
8. radiation
9. heat

Check Understanding (5 pts. each)

10. A, Beaker 1
11. F, car radiator
12. B, The lens bends light rays.
13. F, a frosted glass
14. B, electricity to heat and light
15. H, radiation
16. D, average energy of movement of particles of matter

CHAPTER 14 Review and Test Preparation

Vocabulary Review

Match the terms to the definitions below. The page numbers tell you where to look in the chapter if you need help.

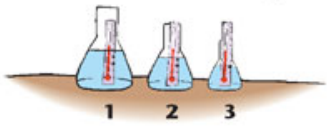
light p. 568
reflection p. 569
refraction p. 571
heat p. 579
conduction p. 580
convection p. 581
radiation p. 582
energy transfer p. 589
waste heat p. 592

1. Heat that can't be used to do work is _____.
2. The bending of light is called _____.
3. The change of energy from one form to another is called _____.
4. Heat flows through a liquid or a gas by _____.
5. _____ is a form of energy that travels in straight lines.
6. The bouncing of light off an object is called _____.
7. Heat travels through solids that are touching by _____.
8. _____ moves heat through space, where there is no matter.
9. Transferred thermal energy is called _____.

Check Understanding

Write the letter of the best choice.

10. In which container does the water have the most thermal energy?



A. Beaker 1
B. Beaker 2
C. Beaker 3
D. They're equal.

11. **MAIN IDEA AND DETAILS** Which of the following removes waste heat?
F. car radiator
G. furnace
H. heat engine
J. turbine

12. **CAUSE AND EFFECT** Which causes an image to form inside the eye?
A. The cornea is transparent.
B. The lens bends light rays.
C. The pupil changes size.
D. The optic nerve leads to the brain.

13. Which of these is translucent?



F. **G.** **H.** **J.**

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Portfolio Assessment

Have students select their best work from the following suggestions:

- **Investigate,** pp. 566, 576, 586
- **Make Connections,** pp. 573, 583, 593

See ***Assessment Guide*** pp. xx–xxiv.