Vocabulary Review (5 pts. each)

1. lever
2. inclined plane
3. simple machine
4. wedge
5. pulley
6. screw
7. fulcrum
8. work

Check Understanding (5 pts. each)

9. D, lifting a chair off the floor
10. J, not touching the bar
11. A, as a lever
12. H, screw
13. D, wheel-and-axle
14. H, It has two inclined planes.
15. C, screw
16. F, inclined plane

CHAPTER 17

Review and Test Preparation

Vocabulary Review

Use the terms below to complete the sentences. The page numbers tell you where to look in the chapter if you need help.

work p. 696
simple machine p. 697
lever p. 698
fulcrum p. 698
pulley p. 706
inclined plane p. 716
screw p. 718
wedge p. 720

1. A paper cutter is made up of a wedge and a _____.
2. A hill is an example of an _____.
3. A machine with few parts that makes work easier is a _____.
4. Two inclined planes that are back to back form a _____.
5. A wheel with a rope or chain around it is a _____.
6. A post with threads wrapped around it is a _____.
7. The point where a lever pivots is the _____.
8. Using force to move an object over a distance is _____.

Check Understanding

Write the letter of the best choice.

9. Which of the following is an example of work to a scientist?
   - **A.** solving a mental math problem
   - **B.** carrying a book across the room
   - **C.** pushing against the floor
   - **D.** lifting a chair off the floor
10. Where can the fulcrum of a lever **NOT** be?
   - **F.** the end of the bar
   - **G.** the middle of the bar
   - **H.** between the middle and the end
   - **J.** not touching the bar
11. How is the screwdriver being used in this picture?



   - **A.** as a lever
   - **B.** as a screw
   - **C.** as a pulley
   - **D.** as a wheel-and-axle
12. **MAIN IDEA AND DETAILS** An inclined plane is a part of which other simple machine?
   - **F.** lever
   - **G.** pulley
   - **H.** screw
   - **J.** wheel-and-axle

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Portfolio Assessment

Have students select their best work from the following suggestions:

- **Investigate,** pp. 694, 704, 714
- **Make Connections,** pp. 701, 711, 721

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