

## **Pulleys and Gears Science Review**

1. What is a pulley?
2. Name 5 machines/devices that use a pulley system.
3. What are gears?
4. Name 5 machines/devices that use a gear system.
5. Name and explain 4 different types of gears.
6. Explain the following pulley systems:
  - a. Fixed Pulley System
  - b. Movable Pulley System
  - c. Combined Pulley System

7. Would you use a fixed pulley or a movable pulley to lift a heavy load of roofing materials to the roof of a building? Explain
  
  
  
  
  
  
  
  
  
  
8. You have a system of two interlocking gears. If you turn one gear in a clockwise direction, what will happen to the other gear?
  
  
  
  
  
  
  
  
  
  
9. What is different about the way gears on a bike turn in comparison to standard spur gears.
  
  
  
  
  
  
  
  
  
  
10. Why do you put oil on the chain of a bike?