Gears Assessment Survey Answer Key

1. Describe 2 uses of gears?
   1) To make motorized setups go faster
   2) To make motorized setups stronger

2. In the figure on the right, which setup with gears will make the wheel turn faster? If you are not sure, write C.
   A Wheel is connected to smaller gear on the left.

3. In the figure on the right, which setup with gears will make the wheel move more weight? If you are not sure, write C.
   B Wheel is connected to larger gear on the left.

4. What is the speed of a car that travels 10 miles in 2 hours? How did you get your answer?
   5 miles per hour (mph), which I got by dividing 10 by 2.
5. *What gets you excited about science?*
   Solving mysteries, one experiment at a time.

6. *If you were given the chance to create this lesson which method would you use:*
   a. Lecture
   b. Textbook reading
   c. Movie
   d. **Hands-on activity**
   e. Researching on the internet

7. *Do you think Robotics can be helpful when used to collect data in science experiments?*
   a. Yes
   b. No
   c. Unsure