

- 1** If you apply sufficient force to a rigid object, it will...
 - a. break.
 - b. change shape temporarily.
 - c. change shape permanently.
- 2** If a ball is rolling on the grass, it will slow down and stop because of...
 - a. water resistance.
 - b. speed.
 - c. friction.
- 3** A car travels 300 km in 6 hours. Its speed is...
 - a. 20 km/h.
 - b. 50 km/h.
 - c. 180 km/h.
- 4** You throw a ball up in the air. As it travels upwards, gravity...
 - a. causes the ball to speed up.
 - b. causes the ball to slow down.
 - c. does not affect the ball.
- 5** The component of a machine that produces movement is the...
 - a. operating part.
 - b. structure.
 - c. motor.
- 6** Indicators and screens...
 - a. give information about what the machine is doing.
 - b. receive information from outside the machine.
 - c. distribute electricity throughout the machine.
- 7** Gears are...
 - a. levers that turn in circles.
 - b. wheels with teeth.
 - c. rods that support rotating wheels.
- 8** Pedals on a bicycle are an example of...
 - a. axles.
 - b. belts.
 - c. levers.
- 9** The foundation of a structure...
 - a. transmits weight to the columns.
 - b. is built in the ground.
 - c. connects the cables to the beams.
- 10** To regulate the temperature in our homes, we use...
 - a. water flow regulators.
 - b. appliances.
 - c. thermostats.