

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) What is the difference between torque and power?

2) What is kinetic energy?

3) What is the pH of acids and bases?

4) How is mechanical advantage used in the braking system?

5) How can a burn test help identify the type of plastic?

Answer Key

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- 1) Torque is a twisting force, which may or may not result in motion. Power is the rate of doing work.
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- 2) Kinetic energy is the energy that is in a moving object.
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- 3) The pH scale of acids and bases places the number 7 as neutral, like water, acids have numbers lower than 7, and bases have numbers higher than 7. The stronger the acid or the base, the further the number is from 7.
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- 4) Mechanical advantage is used in the braking system at the brake pedal to increase the force of the driver.
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- 5) The color of the flame helps identify the type of plastic used so that the proper paint and painting process can be performed.
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