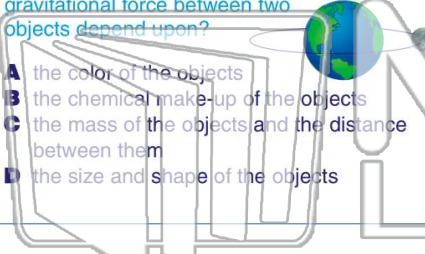




Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Newton's law of universal gravitation states that any two objects exert a gravitational force on each other. What does the **strength** of the gravitational force between two objects depend upon?

A the color of the objects  
 B the chemical make-up of the objects  
 C the mass of the objects and the distance between them  
 D the size and shape of the objects



2 If you drop an object, it will **fall directly** to the ground because of \_\_\_\_\_.

A work  
 B gravity  
 C inertia  
 D friction



3 Which of the following is defined as **the ability to move an object**?

4 Which is an example of **work** being done?



## PREVIEW

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7 to raise a flag.

- A a lever
- B a pulley
- C a wheel and axle
- D a wedge



a car move on the road.

- A a pulley
- B a wedge
- C a lever
- D a wheel and axle



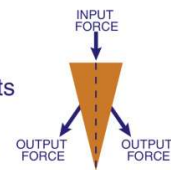
9 What object, found on many playgrounds, is a **simple machine**?

- A A slide is a pulley.
- B Monkey bars are wheel and axles.
- C A seesaw is a lever.
- D A swing is an inclined plane.



10 What is one thing a **wedge** is often used for?

- A to raise flags
- B to move lighter objects
- C to lift heavy objects
- D to split or cut objects





Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

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