



Name _____ Class _____ Date _____

1

What are two things that affect the **force of gravity**?



- A size and what objects are made out of
- B size and color of objects
- C mass of objects and distance between them
- D location and texture of objects

2

Mark tried to push a large rock for 30 minutes but could not make it move even a centimeter. After trying for several more minutes, he finally gave up. He realized he **could not move the rock**. **Did Mark do work?**

- A no; because he did not move the rock at all
- B yes; because Mark tried
- C yes; because the rock was heavy
- D yes; because he was pushing on the rock

3

Which is **true** of **simple machines**?

- A They make work harder.



4

Which **simple machine** is being used to raise this flag?



5

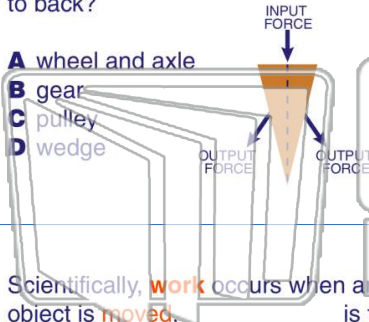
PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

7

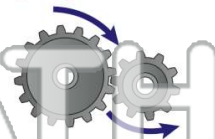
inclined planes joined together back to back?

- A wheel and axle
- B gear
- C pulley
- D wedge



a chain or belt. The belt allows one wheel to turn the other wheel. **Which of these would move with the help of gears?**

- A soccer ball
- B bicycle
- C flag up a flagpole
- D rocking chair



9

Scientifically, **work** occurs when an object is **moved**. _____ is the **ability to do work**.

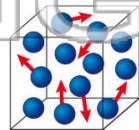
- A Energy
- B Force
- C Gravity
- D Inertia



10

Kinetic energy is the energy of **motion**. Which is true of kinetic energy?


- A All matter has kinetic energy.
- B Anything moving has kinetic energy.
- C Anything not moving has kinetic energy.
- D Anything about to move has kinetic energy.





Name _____ Class _____ Date _____

1 What are two things that affect the **force of gravity**?




- A size and what objects are made out of
- B size and color of objects
- C mass of objects and distance between them
- D location and texture of objects

2 Mark tried to push a large rock for 30 minutes but could not make it move even a centimeter. After trying for several more minutes, he finally gave up. He realized he **could not move the rock**. **Did Mark do work?**

- A no; because he did not move the rock at all
- B yes; because Mark tried
- C yes; because the rock was heavy
- D yes; because he was pushing on the rock

3 Which is **true** of **simple machines**?

- A They make work harder.



4 Which **simple machine** is being used to raise this flag?



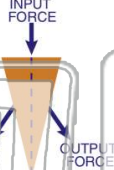
5



PREVIEW

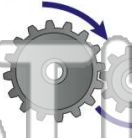
Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

7 **inclined planes** joined together back to back?



- A wheel and axle
- B gear
- C pulley
- D wedge


a chain or belt. The belt allows one wheel to turn the other wheel. **Which of these would move with the help of gears?**



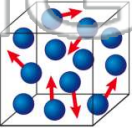
- A soccer ball
- B bicycle
- C flag up a flagpole
- D rocking chair

9 Scientifically, **work** occurs when an object is **moved**. _____ is the **ability to do work**.

- A Energy
- B Force
- C Gravity
- D Inertia



10 **Kinetic energy** is the energy of **motion**. Which is true of kinetic energy?



- A All matter has kinetic energy.
- B Anything moving has kinetic energy.
- C Anything not moving has kinetic energy.
- D Anything about to move has kinetic energy.