

Matter and Forces: True or False

Grade 3-5 · Ages 8-11 · Science · Physical Science · ★★

Write True or False for each statement.

1. A kilogram of feathers weighs less than a kilogram of iron. _____
2. Oil on a surface increases friction. _____
3. Like poles of two magnets attract each other. _____
4. Sound gets louder as you move away from it. _____
5. Burning wood makes new substances. _____
6. Ice melts at 10 degrees Celsius. _____
7. Friction is useful when you walk. _____
8. Iron rusts when it is kept perfectly dry. _____
9. Friction produces heat. _____
10. A pulley is a simple machine. _____
11. A magnet loses all its magnetism if it is cut in half. _____
12. A mirror absorbs all the light that hits it. _____
13. Sand dissolves in water. _____
14. Air is a mixture of gases. _____
15. Metals expand when they are heated. _____
16. Wood is a good conductor of electricity. _____
17. Heat moves from hotter things to colder things. _____
18. Gravity pulls harder on objects with more mass. _____
19. A compass needle is a small magnet. _____
20. Light bends when it passes from air into water. _____

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1. A kilogram of feathers weighs less than a kilogram of iron. **False**
2. Oil on a surface increases friction. **False**
3. Like poles of two magnets attract each other. **False**
4. Sound gets louder as you move away from it. **False**
5. Burning wood makes new substances. **True**
6. Ice melts at 10 degrees Celsius. **False**
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18. Gravity pulls harder on objects with more mass. **True**
19. A compass needle is a small magnet. **True**
20. Light bends when it passes from air into water. **True**