

Matter and Forces: True or False

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

Write True or False for each statement.

1. Mixing salt into water makes a new substance. _____
2. Energy can be created from nothing. _____
3. A bicycle is a simple machine. _____
4. The energy in our food came originally from the Sun. _____
5. Copper conducts electricity well. _____
6. Water expands when it freezes. _____
7. Salt dissolves in water. _____
8. Gravity is weaker on the Moon than on Earth. _____
9. Shadows are longest at noon. _____
10. A balanced pair of forces makes an object speed up. _____
11. Forces are measured in newtons. _____
12. The north pole of one magnet attracts the south pole of another. _____
13. Light from the Sun takes about eight minutes to reach Earth. _____
14. Mass is measured in meters. _____
15. Thunder is the sound made by lightning. _____
16. Melting an ice cube makes a new substance. _____
17. Glass is a good conductor of electricity. _____
18. Sound can travel through empty space (a vacuum). _____
19. Most materials shrink when they are heated. _____
20. Water boils at 100 degrees Celsius at sea level. _____

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1. Mixing salt into water makes a new substance. **False**
2. Energy can be created from nothing. **False**
3. A bicycle is a simple machine. **False**
4. The energy in our food came originally from the Sun. **True**
5. Copper conducts electricity well. **True**
6. Water expands when it freezes. **True**
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16. Melting an ice cube makes a new substance. **False**
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18. Sound can travel through empty space (a vacuum). **False**
19. Most materials shrink when they are heated. **False**
20. Water boils at 100 degrees Celsius at sea level. **True**