Cotuz

Name: _____ Date: _____

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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ANSWER KEY

Matter and Forces: True or False

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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**
7. Salt dissolves in water. **True**
8. Gravity is weaker on the Moon than on Earth. **True**
9. Shadows are longest at noon. **False**
10. A balanced pair of forces makes an object speed up. **False**
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13. Light from the Sun takes about eight minutes to reach Earth. **True**
14. Mass is measured in meters. **False**
15. Thunder is the sound made by lightning. **True**
16. Melting an ice cube makes a new substance. **False**
17. Glass is a good conductor of electricity. **False**
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**