

Science Chapter 11 Review

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|-----------------------|------------------|---------------------------|
| motion (p. 342) | force (p. 352) | friction (p. 357) |
| position (p. 342) | inertia (p. 352) | mechanical force (p. 362) |
| distance (p. 345) | mass (p. 354) | magnetic force (p. 363) |
| speed (p. 345) | gravity (p. 355) | electrical force (p. 364) |
| acceleration (p. 348) | weight (p. 356) | |

1. Measure of how much gravity is pulling on something _____
2. An object's location _____
3. How far something moves _____
4. The change in position from one location to another _____
5. Force that pulls metals towards a magnet _____
6. How fast or slow something moves _____
7. A change in speed or direction _____
8. Force produced by moving charged particles _____
9. A push or pull _____
10. The tendency of objects to resist a change in motion _____
11. Force that causes a change in motion by touching _____
12. Amount of matter in an object _____
13. Force that slows down or stops an object _____
14. Force that pulls objects toward each other _____

Draw an example of each of the following:

Linear Motion

Circular Motion

Vibrating Motion

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18. Explain the ***three*** ways an object can accelerate: _____

19. Describe why a person weighs more on earth than on the moon: _____

20. What is the difference between weight and mass? _____

21. Why is it easier to ride your bike on *smooth* pavement than on a *rough* gravel road? _____

22. Which would have the ***least*** amount of friction?

- A. a sled on snow
- B. a sled on carpet
- C. a sled on a gravel road
- D. a sled on grass

Draw a picture to show each of the following:

Magnets with ***like*** poles facing each other

Magnets with ***opposite*** poles facing each other

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25. Which force causes your hair to stand on end when you pull a wool cap off your head?

- A. mechanical force
- B. electrical force
- C. friction
- D. magnetic force

Match each of the following pictures to the force it shows.

Mechanical Force



Electrical Force



Magnetic Force

