

_____ 21. Energy stored in the core of an atom is called

- nuclear energy.
- mechanical energy.
- chemical energy.
- electromagnetic energy.

_____ 22. Fossil fuels contain energy that originally came from

- the sun.
- tidal forces.
- dinosaurs.
- Earth's core.

_____ 23. When you rub your hands together on a cold day, you use friction to convert

- nuclear energy into electrical energy.
- thermal energy into nuclear energy.
- electrical energy into electromagnetic energy.
- mechanical energy into thermal energy.

_____ 24. The ability to do work is called

- conversion.
- velocity.
- friction.
- energy.

_____ 25. The law of conservation of energy states that when one form of energy is converted into another,

- energy is created in the process.
- no energy is destroyed in the process.
- energy is destroyed in the process.
- some amount of energy cannot be accounted for.

_____ 26. Visible light is an example of

- electrical energy.
- electromagnetic energy.
- chemical energy.
- nuclear energy.

_____ 27. Potential energy that depends on height is called

- elastic potential energy.
- kinetic energy.
- mechanical energy.
- gravitational potential energy.

_____ 28. What type of conversion is taking place when natural gas is used to heat water?

- mechanical energy into electromagnetic energy
- electromagnetic energy into chemical energy
- chemical energy into thermal energy
- thermal energy into mechanical energy

_____ 29. Energy is measured in units called

- horsepower.
- meters.
- pounds.
- joules.

_____ 30. The total energy of the particles in an object is called

- chemical energy.
- electrical energy.
- thermal energy.
- mechanical energy.