

_____ 31. Fossil fuels contain energy that originally came from

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

_____ 32. The law of conservation of energy states that when one form of energy is converted into another,

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

Drag and drop the steps of producing electricity into the correct order.

_____ 35. Step 1

_____ 36. Step 2

_____ 37. Step 3

_____ 38. Step 4

_____ 39. Step 5

_____ 40. Step 6

a. The spinning generator produces electric current.

b. The mechanical energy of the spinning turbine is used to turn a generator.

c. Thermal energy is added to water to produce steam.

d. Thermal energy is released when fossil fuels are burned or when atoms are split with nuclear fission.

e. High pressure steam is used to spin a turbine.

f. The electrical current from the spinning generator is transmitted to customers.