

- \_\_\_\_ 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.**

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|-----------------|----------------------------------------------------------------------------------------------------------|
| ____ 35. Step 1 | a. The spinning generator produces electric current.                                                     |
| ____ 36. Step 2 | b. The mechanical energy of the spinning turbine is used to turn a generator.                            |
| ____ 37. Step 3 | c. Thermal energy is added to water to produce steam.                                                    |
| ____ 38. Step 4 | d. Thermal energy is released when fossil fuels are burned or when atoms are split with nuclear fission. |
| ____ 39. Step 5 | e. High pressure steam is used to spin a turbine.                                                        |
| ____ 40. Step 6 | f. The electrical current from the spinning generator is transmitted to customers.                       |