

Self Test
Introduction to International Energy Markets

Click on True or False to test your knowledge of the chapter.

1. **True False** Mechanical energy comes from burning fossil fuel - coal, oil, and gas.
2. **True False** Chemical energy comes from breaking or changing molecular bonds
3. **True False** Thermal energy is heat
4. **True False** Radiant energy comes in the form of light, TV, radio, infrared and X-rays.
5. **True False** Nuclear energy is the attractive force between negatively charged electrons and the positively charged protons
6. **True False** Fusion = splitting of the nucleus, Fission = bringing together of nuclei.
7. **True False** The electrical force holds the nucleus of an atom together.
8. **True False** The first law of thermodynamics requires that the total amount of energy in an isolated system always remains constant.
9. **True False** The second law of thermodynamics states that if a given mass of gas is compressed at constant temperature the product of the pressure (P) and the volume (V) is constant $P_1 V_1 = P_2 V_2$.
10. **True False** The strong nuclear force is the only fundamental force in physics.