

3.1 Assessment

Match each description on the left with the type of energy it best matches on the right. Each type of energy may be used only once.

Description	Type of Energy
1. ___ geysers, hot springs, and volcanoes	A. solar energy
2. ___ water at the top of a waterfall	B. potential energy
3. ___ wind, river flow, and waves	C. nuclear energy
4. ___ sunlight	D. kinetic energy
5. ___ trees, batteries, and natural gas	E. thermal energy
6. ___ fission and fusion	F. chemical energy

Circle the letter of the best answer for questions 7 to 22.

7. Which parts of the human body rely on electrical signals to work?

I	heart
II	muscles
III	eyes

A. I and II only

C. II and III only

B. I and III only

D. I, II, and III

8. How does a capacitive touch-sensitive screen work on a tablet?

A. The pressure from a touch command completes an electrical pathway.

B. When the user's finger touches the screen, a tiny electrical charge passes through it to complete an electrical pathway.

C. The pressure from a touch command generates a magnetic field.

D. When the user's finger touches the screen, a flexible plastic expands and contracts.

9. What causes a maglev train to levitate?

A. electrical coils create magnetic fields that repel large magnets under the train

B. nuclear propulsion

C. upward jets of compressed air

D. antigravitational acceleration