

Name \_\_\_\_\_

## Powering The Planet Answer Key

1. Wind	6. Wind
2. Hydro	7. Hydro
3. Solar	8. Solar
4. Hydro	9. Wind
5. Solar	10. Hydro

### Teacher's Guide

- Begin with a quick discussion: *What does "renewable" mean?*
- Show pictures of solar panels, wind turbines, and hydro dams for visual context.
- Read each sentence aloud and encourage students to justify their choices with reasoning.

### Differentiation Strategies:

- **Grades 4-6:** Use the full list, emphasizing key vocabulary (*turbine, current, panels*).
- **Grades 7-9:** Add more complex forms, like *geothermal* or *biomass*, as enrichment.
- **Grades 10-12:** Ask students to analyze pros and cons of each renewable source.

### Engagement & Extension Ideas:

- Create a **Renewable Energy Poster** with labeled drawings and explanations.
- Hold a "**Power Source Match-Up Relay**" - teams race to match definitions to terms on the board.
- Challenge students to write a short "**Energy Future**" paragraph describing how their town could use clean energy.