

Name _____

Powering The Planet Answer Key

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| 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.