**Guided Notes: Alternative Energy Resources**



Alternative energy resources are \_\_\_\_\_\_\_\_\_\_\_\_\_ sources of energy that can help reduce reliance on non-renewable \_\_\_\_\_\_\_\_\_\_\_\_\_ fuels.

**Key Concepts:**

• Renewable resources can be \_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_ in a short period of time.

• Examples of renewable alternative energy resources include:

- \_\_\_\_\_\_\_\_\_\_\_\_\_ energy

- \_\_\_\_\_\_\_\_\_\_\_\_\_ energy

- \_\_\_\_\_\_\_\_\_\_\_\_\_ energy

- \_\_\_\_\_\_\_\_\_\_\_\_\_ energy

- Geothermal energy

- Hydrogen energy

• Solar energy captures energy from the \_\_\_\_\_\_\_\_\_\_\_\_\_.

• Wind energy harnesses the energy of \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_.

• Biomass energy comes from \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_ material.

• Hydroelectric energy gathers energy from \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_.

• A major benefit of alternative energy is that it is \_\_\_\_\_\_\_\_\_\_\_\_\_ and doesn't contribute to global warming.

• Challenges of alternative energy can include:

- \_\_\_\_\_\_\_\_\_\_\_\_\_ to implement

- Dependence on \_\_\_\_\_\_\_\_\_\_\_\_\_ conditions

- Potential negative impacts on \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_

**Real World Examples:**

1. \_\_\_\_\_\_ panels on the roof of your school to power classroom lights and computers.

2. A wind \_\_\_\_\_\_\_\_ farm visible from the highway on your way to a sports tournament in a neighboring town.

**Word Bank:**

renewable

fossil

replenished

replaced

solar

wind

biomass

hydroelectric

sun

moving air

plant

animal

moving water

clean

expensive

weather

habitats

ecosystems

solar

turbine