**Chapter 4 Review**

**Across**

3. Resources that are mined are almost always this type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Coal, oil, and natural gas are this type of non-renewable resource: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. If our use of coal increases by 3.5% per year on average, how many years will it be until our coal consumption doubles? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. If it is grown, it is likely to be considered a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ resource.

12. In energy transformations, some energy is always lost which is why nothing can possibly be 100% \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

13. Renewable resources may not be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as population grows and demand for them rises.

15. Wind and solar power are both considered \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which is why people off grid would need a battery or back-up generator with them.

17. This fossil fuel is the most efficient and causes the least pollution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

18. An apple has this type of energy.

19. All energy sources have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which is why no one energy source should be used to try and replace fossil fuels.

20. The biggest demand on our resources comes from growth in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and inefficient use of the resource.

22. The lost energy in energy transformations is often in the form of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and sound.

**Down**

1. A person sitting on top of a table has this type of potential energy: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Alternative energy sources do not produce: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. One of the best advantages of solar and wind power especially, are that they can be used in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ locations.

6. The problem with this alternative energy source is that there are few locations left to set it up. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. Electricity falls under the category of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy.

10. Type of rock found here in Colorado which contains kerogen and could help ease our dependence on conventional fossil fuels: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. This alternative energy source requires the least maintenance once it is set up: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. This fossil fuel produces most of our electricity and it formed from land plants: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16. Things that we need and use are called:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17. This type of alternative energy comes from Uranium which is not renewable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

21. A rock that contains a valuable resource that can be exreacted at a profit is considered an: \_\_\_\_\_\_\_

Resources Things that we need and use are called:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Nonrenewable Resources that are mined are almost always this type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Fossilfuels Coal, oil, and natural gas are this type of non-renewable resource: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Oilshale Type of rock found here in Colorado which contains kerogen and could help ease our dependence on conventional fossil fuels: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ore A rock that contains a valuable resource that can be exreacted at a profit is considered an: \_\_\_\_\_\_\_

Renewable If it is grown, it is likely to be considered a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ resource.

Sustainable Renewable resources may not be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as population grows and demand for them rises.

Chemical An apple has this type of energy.

Kinetic Electricity falls under the category of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy.

Gravitational A person sitting on top of a table has this type of potential energy: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Efficient In energy transformations, some energy is always lost which is why nothing can possibly be 100% \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Carbondioxide Alternative energy sources do not produce: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Drawbacks All energy sources have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which is why no one energy source should be used to try and replace fossil fuels.

Population The biggest demand on our resources comes from growth in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and inefficient use of the resource.

Unreliable Wind and solar power are both considered \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which is why people off grid would need a battery or back-up generator with them.

Heat The lost energy in energy transformations is often in the form of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and sound.

Twenty If our use of coal increases by 3.5% per year on average, how many years will it be until our coal consumption doubles? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Remote One of the best advantages of solar and wind power especially, are that they can be used in \_\_\_\_\_\_\_\_\_\_\_\_\_ locations.

Nuclear This type of alternative energy comes from Uranium which is not renewable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Hydroelectric The problem with this alternative energy source is that there are few locations left to set it up. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Naturalgas This fossil fuel is the most efficient and causes the least pollution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Coal This fossil fuel produces most of our electricity and it formed from land plants: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solar This alternative energy source requires the least maintenance once it is set up: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_