

**Study Guide**  
**Chapter 10**  
**4<sup>th</sup> Grade Science**

**For the Test Know:**

**I) All the Vocabulary words and their meaning**

Conservation recycling	Humus
Solar energy	Ore
Petroleum	Solar cells
Fossil fuels	

**II) Know:**

- **What makes a natural resource a ‘natural resource**
- **What renewable resource is and what makes it renewable**
- **What makes up soil**
- **How soil is formed**
- **What sub-soil is and how it is formed**
- **Bedrock and why it is important**
- **What kind of soil is best for growing plants and why**
- **Why solar energy is renewable**
- **How solar cells are used to support our need for energy**
- **What coal is made of and its relationship to the sun**
- **What a windmill and what kind of energy it captures**
- **What global warming is and why carbon dioxide contributes to it**
- **What it means to ‘conserve’ resources as opposed to ‘preserve’ them**
- **The advantages of reusing, rethinking, and recycling our natural resources**
- **The difference between living and nonliving things**
- **Two examples of each of the above and how they support life on earth**
- **Explain in detail how solar energy works in nature**
- **In detail 2 problems fossil fuels cause and 2 reasons why we should conserve our fossil fuels**