

# Mr. P's Chapter Study Guide

## SCIENCE CHAPTER 6: Part A- pp. 178-185

#\_\_\_\_\_ Name\_\_\_\_\_

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1. [pp. 178] Name the five renewable sources of energy.

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2. [pp. 179] What is a solar cell?

3. [pp. 179] Describe how a solar plant creates electricity.

4. [pp. 179] According to the textbook, what are the benefits of solar energy?

5. [pp. 180] What is the difference in passive and active solar heating?

6. [pp. 180] From Figure 2 "Solar-Powered House," list the three examples of active solar heating and two examples of passive solar heating.

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7. [pp. 181] What is hydro-electric power? Explain.

8. [pp. 181] What is wind power? Explain.

9. [pp. 181] What is nuclear power? Explain.

10. [pp. 182] What are biomass fuels? Explain.

11. [pp. 182] What is gasohol?

12. [pp. 183] What is geothermal energy? Explain.

13. [pp. 183] From Figure 5 "Geothermal Power in Iceland," explain the process of that power plant to generate electricity.

14. [pp. 184-85] Using the "Explore the Big Question: The Energy Around Us," (Figure 6) create a slideshow on Google Classroom analyzing the costs and benefits of the eight energy sources. On the slideshow, include a photo, an explanation as well as the pros and cons of each.