Climate Change: Winners and Losers

**Lesson 1 REVIEW**

*Use the list of words below to summarize the lesson on the greenhouse effect. You will need to use some words more than once:*

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| --- |
| electrical, electromagnetic, greenhouse, greenhouse effect, infra-red (IR), magnetic, molecules, motion, visible light |

1) Heat is the result of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (page 2)

2) Electromagnetic radiation involves both \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ forces. (page 3)

3) Radio waves, light and X-rays are all forms of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

radiation. (page 3)

4) Most of the EM radiation that arrives at Earth from the Sun is in the form of

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ waves. (page 4)

5) Most of the EM radiation that leaves Earth and goes back toward space as

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_waves. (page 4)

6) Certain molecules in our atmosphere absorb IR radiation and trap heat in the

atmosphere. This is what causes the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (page 4)

7) CO2 and methane are examples of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gases. (page 4)