Objective Work Unit 3

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_

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| 4a. describe how thermal energy is transferred by conduction, convection and radiation. |
| 4b. explain how ocean water circulation affects energy distribution in the earth’s system. |
| 4c. apply how differential heating of the earth’s surface & atmosphere drives convection within the earth’s system. |
| 4d. summarize how heat energy transfer relates to the formation of winds & air masses. |
| 4e. analyze how the geosphere, hydrosphere, atmosphere, & biosphere interact on earth. |

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Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_

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| 1. Differentiate between kinetic and potential energies and describe the ways energy can be stored.
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| 1. Examine the conservation and transformation of energy within systems.
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| 1. Compare and contrast the relationships between temperature, thermal energy, and heat.
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