ES 11 **Heat Transfer and Water Cycle WS** Name:

1. What is the difference between weather and climate? (notes/p477)
2. How does the sun affect our weather?
3. What happens to energy from the sun that does NOT get absorbed by Earth?
4. Draw and describe three ways heat can be transferred and give an example of each.

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1. Before the water in the pot on a stove can heat up, the pot itself must heat up. Does the pot heat up by conduction, convection, or radiation? Explain.
2. Draw a landscape and illustrate the THREE main processes of the water cycle.
3. Why is there so little water above the troposphere? P499