Name: Date: Class Period

How Does the Water Cycle Work?

I built a working model of the water cycle! Video link:https://youtu.be/AaZqWkE-6ZY

Watch the video and then answer the questions about the model:

What provides the energy for the water cycle? What provided the energy in this model?

_____

Describe where evaporation was happening in the model

_____

_____

_____

Could you see evaporation happening? Why or why not?

_____

_____

Is water vapor a solid, liquid or gas? _____

Describe where transpiration was illustrated in the model. How does transpiration work?

_____

_____

Was there anything in the model that could be used to remind us of respiration? What was it? _____

Sublimation is a unique way that water turns into a gas. What is unusual (and unexpected) about sublimation?

_____

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_____

Does energy need to be added or taken away from water vapor in order for condensation to occur? _____

What was used in the model to remove energy from the water vapor?

_____

Describe where condensation happened in the model (there were actually two examples!)

_____

_____

Water droplets formed on the bottom of the pan. How do we know it **DID NOT** come from the melting ice?

_____

_____

Where was precipitation happening in the model?

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What is the difference between condensation and precipitation?

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_____

_____

What force makes precipitation, run-off and infiltration possible? _____

What is the difference between run-off and infiltration?

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What does it mean that the water cycle is a continuous cycle?

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