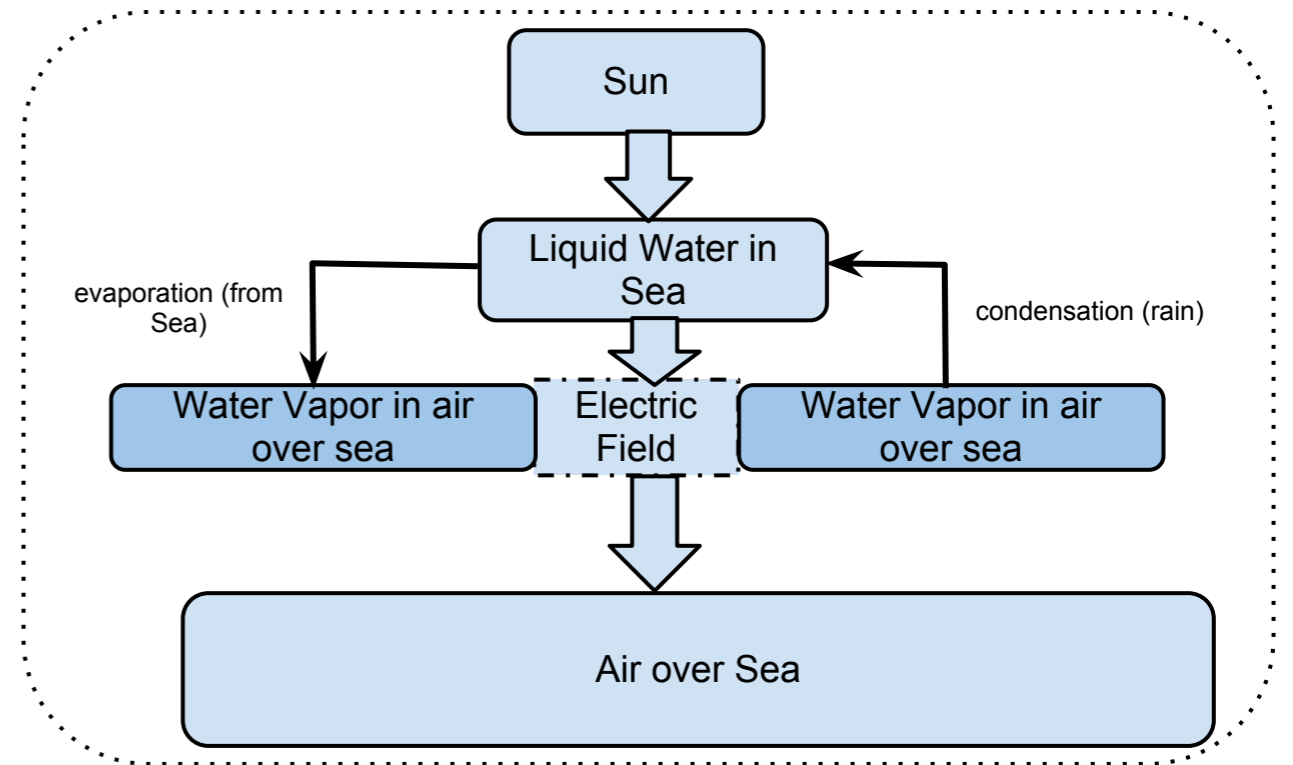


ENERGY FLOW IN A HURRICANE

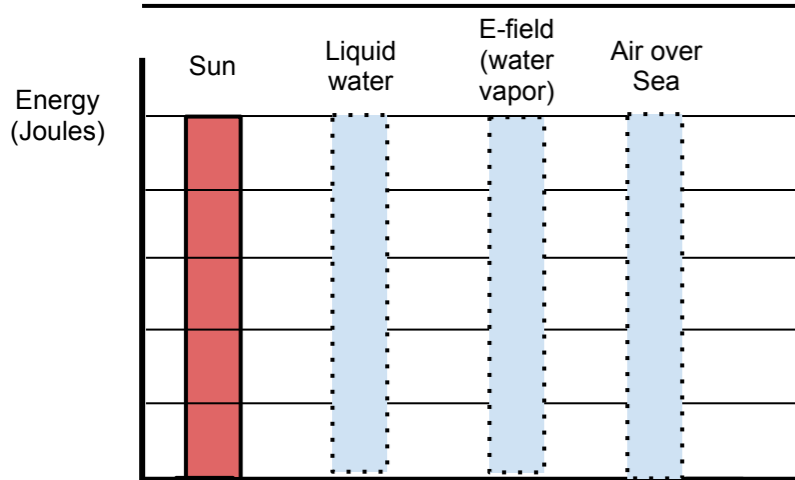
1. The Sun transfers energy to liquid water in the sea.
2. The water evaporates and the energy is stored in the electric field between the separated water molecules.
3. The water vapor then condenses as rain, and the energy is transferred from the electric field to the air over the sea. As the air over the sea gains energy, its temperature and speed of motion increase.
4. As the cycle continues, the result can be very high winds.

→ Thin black arrows indicate movement of matter.

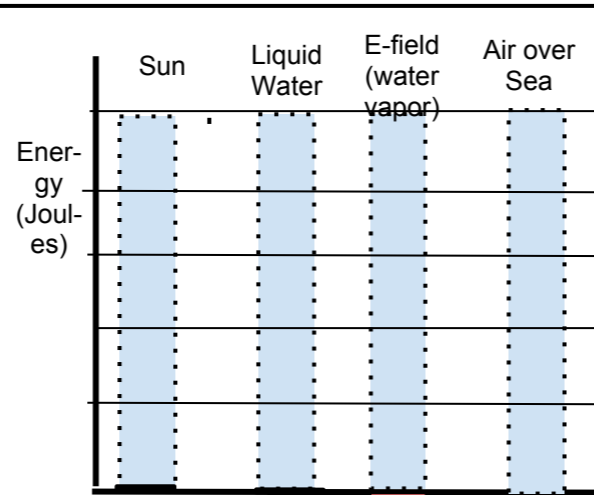
➡ Thick blue arrows indicate transfer of energy.



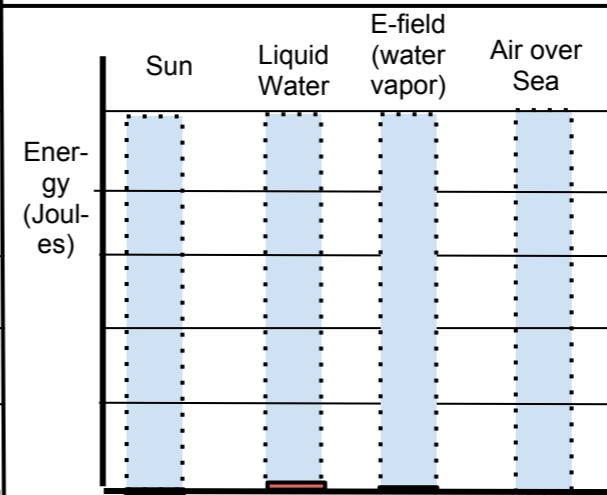
System in initial state (12:00 noon)



System at later state (12:30 pm)



System at later state (1:00 pm)



System at later state (1:30 pm)

