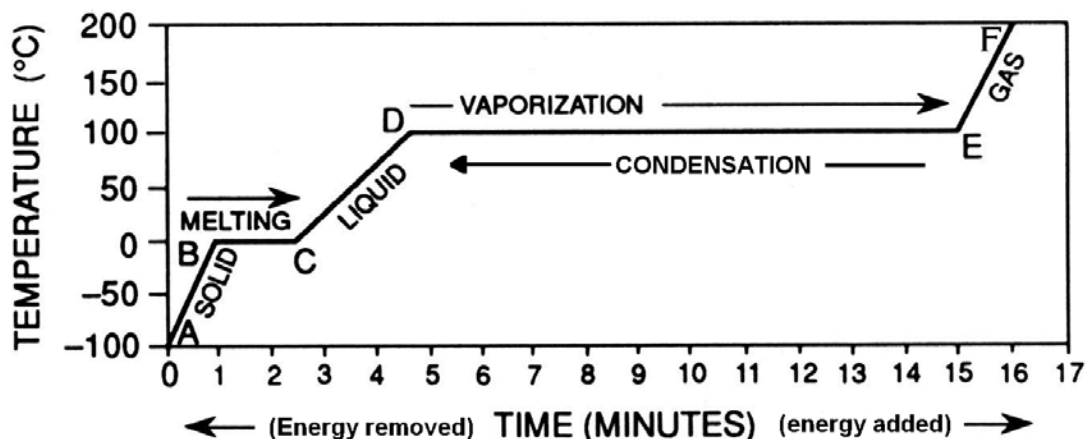


H₂O Phase Change Graph Review



FACTS YOU NEED TO KNOW:

- > From left to right, equal amounts of heat energy (in calories) are being **added** to the water each minute.
- > From right to left, equal amounts of heat energy (in calories) are being **removed** from the water each minute. This heat goes into the environment.
- > From A to B the H₂O is **solid ice**.
- > From D to E the H₂O is **liquid water**.
- > Beyond point E the H₂O is **water vapor** (gas).

GOING UP (heat energy being added):

- > From A to B, ice is warming (temperature change)
- > From B to C, ice is melting (phase change)
- > From C to D, water is warming (temperature change)
- > From D to E, water is evaporating or vaporizing (phase change)
- > From E to F, water vapor is warming (temperature change)

GOING DOWN: (heat energy being removed):

- > From F to E, water vapor is cooling (temperature change)
- > From E to D, water vapor is condensing (phase change)
- > From D to C, water is cooling (temperature change)
- > From C to B, water is freezing (phase change)
- > From B to A, ice is cooling (temperature change)

Note: The **most** energy is gained or lost between points D and E (E and D).