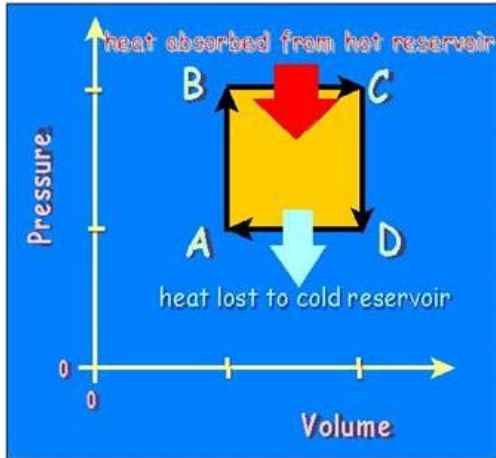


Putt-Putt Boat

CA Science Standards Addressed: Physics 3a,3b,3c,3d,3e



- 1) The source energy for your putt-putt boat is from the candle. What type of heat transfer is involved when the candle flame touches the aluminum can? (Conduction, Convection, or Radiation?)
Answer: _____
- 2) What state of matter is water?
Answer: _____
- 3) What is it called when water is heated and changes phase? What phase is this in now?
Answer: _____
- 4) When the water inside the aluminum engine heated, why does the aluminum expand?
Answer: _____
- 5) What is happening when the aluminum CAN NOT expand anymore? Will anything escape?
Answer: _____

- 6) What causes the aluminum can to collapse? Does anything rush back when it collapses?
Answer: _____

- 7) Where is the noise from the aluminum can coming from?
Answer: _____