

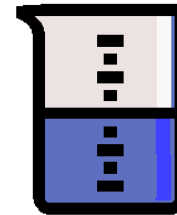
Critical Experiment 1



If we have equal amounts of the same kinds of materials at different temperatures and put them together, what happens?



200 g of water at 80 °C



200 g of water at 20 °C

- A. pretty close to 50 C
- B. pretty close to 80 C
- C. pretty close to 20 C
- D. greater than 80 C
- E. less than 20 C

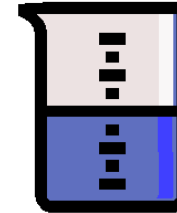
Critical Experiment 2



If we have unequal amounts of the same kinds of materials at different temperatures and put them together, what happens?



100 g of water
at 80 °C

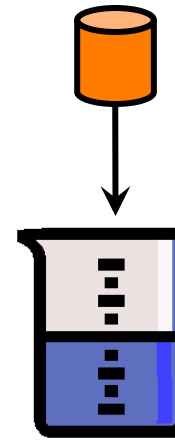


200 g of water
at 20 °C

- A. pretty close to 40 C
- B. pretty close to 80 C
- C. pretty close to 20 C
- D. greater than 60 C
- E. something else

Critical Experiment 3

If we have equal masses of different kinds of materials at different temperatures and put them together, what happens?



200 g of
copper
at 80 °C

200 g of
water
at 20 °C

- A. pretty close to 50 C
- B. pretty close to 80 C
- C. pretty close to 20 C
- D. greater than 80 C
- E. less than 20 C