1. A 100-watt light bulb will generate ____ BTU's in per day.

2. 12" x 14" duct moves____ CFM at a velocity of 150 FPM.

3. A wall with R-19 insulation is covered by R-5 sheetrock on both sides, what would the total U value of the wall be?

4. A ¾ horsepower motor will produce _____ BTU's per day.

5. How many BTU's to raise 4 gallons of water from 80 to 90 degrees F.?

6. How many BTU's to change 10 pounds of 20 degree F. ice to 10 pounds of 60 degree F. water?
   - 1st Heat ice to 32 degrees (p. 103)
   - 2nd Convert ice to water "Latent Heat of Fusion" (p.1266)
   - 3rd Heat water to desired temperature (p. 103)