Science 7 - Numerical Response Questions - Heat and Temperature

1. Identify the parts of a glacier. (As outlined on p. 194 in SF7)	2. Match the description with the relative temperature it represents. 1 2 3 4 1 normal body temperature 2 freezing point of water 3 boiling point of water in Calgary 4 temperature of ice cream -5°C 0°C 37°C 97°C	
 Which device would you use for each of the following situations. To record heat loss in a building To measure temperature changes over a month To create an electrical current To control an electric switch by expanding and contracting thermocouple bimetallic strip recording thermometer infrared thermogram 	4. Match the change in state with the term that is used to describe it. 1 solid to liquid 2 liquid to gas 3 solid to gas 4 liquid to solid 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9	
 5. Energy Transfer – energy can be transferred from place to place depending on the medium it goes through. Match the type of energy transfer with each medium. 1 radiation 2 convection 3 conduction ———— solid ———— liquid ———— gas ———— space 	6. There are different sources of thermal energy. Match the source with its description. 1 chemical 2 electrical 3 geothermal 4 solar falling water generates energy the sun provides energy heat below the Earth's surface burning of wood and fossil fuels	