



- List the substance(s) that are liquids at  $-30\text{ }^{\circ}\text{C}$ .
- List the substance(s) that are gases at  $70\text{ }^{\circ}\text{C}$ .
- List the substance(s) that are solids at  $10\text{ }^{\circ}\text{C}$ .
- What is the lowest temperature at which all four substances will be gases?
- What is the highest temperature at which all four substances will be solids?
- Name one temperature at which water is a solid and radon is a gas.
- How is it that the temperature at which a substance freezes and melts is the same? Explain, in terms of energy flow.
- One goal of this activity was for you to see that every pure substance has its own unique properties. How does your completed diagram help you to see this? In your explanation, include at least three observations from your diagram.