

1. In this box using a circle to represent each He atom, draw what you think solid He would look like.

2. What is preventing the He atoms flying apart? (why do they stick together?)



from

3. What happens when you add thermal energy (increase the temperature) to the Helium atoms? Why?
4. How do the He atoms “know” that the temperature is rising?
5. Compared to Ne do you think the London Dispersion Forces between Xe atoms are
A. Larger B. Smaller C. The same?

Why – what is the basis of your prediction?

6. Compared to Ne do you think the melting point of Xe is
A. Larger B. Smaller C. The same?

Why – what is the basis of your prediction?