



Particle Model of Matter - quick fire questions

This worksheet is fully supported by a video tutorial; <https://youtu.be/z9L6zfMVk3U>

1. Draw arrangement of particles in a solid.
2. Draw the arrangement of particles in liquid.
3. Draw the arrangement of particles in a gas.
4. Define density.
5. What is the equation linking density, mass and volume?
6. What are the units for density?
7. What are units the mass?
8. What are the units for volume?
9. What is specific heat capacity?
10. What is specific latent heat?
11. What is the equation linking energy change, mass, specific heat capacity and change in temperature?
12. What are the units for energy change?
13. What are the units for specific heat capacity?
14. What are the units for temperature change?
15. What is equation linking energy, mass and specific latent heat?
16. What are the units for specific latent heat?

Physics only

17. What is relationship between volume of gas and pressure?
18. What is the equation linking pressure, volume and the constant?
19. What are the units of pressure?