state of matter

How do the particles move?

arrangement of particles

can it be compressed?

can it flow?

solid

particles do not move around, but vibrate on the spot



no, because there is no space between the particles no, because the particles can't move around

liquid

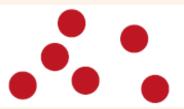
particles are touching but can slide over each other



no, because the particles are touching their neighbours yes, because the particles can slide over each other and move around

gas

particles are spread out far away from each other



yes, because there is space between the particles

yes, because the particles can move around

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