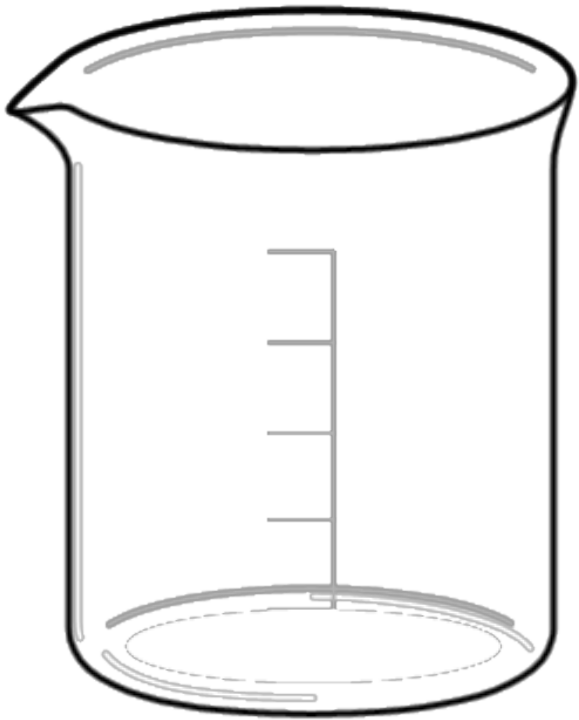
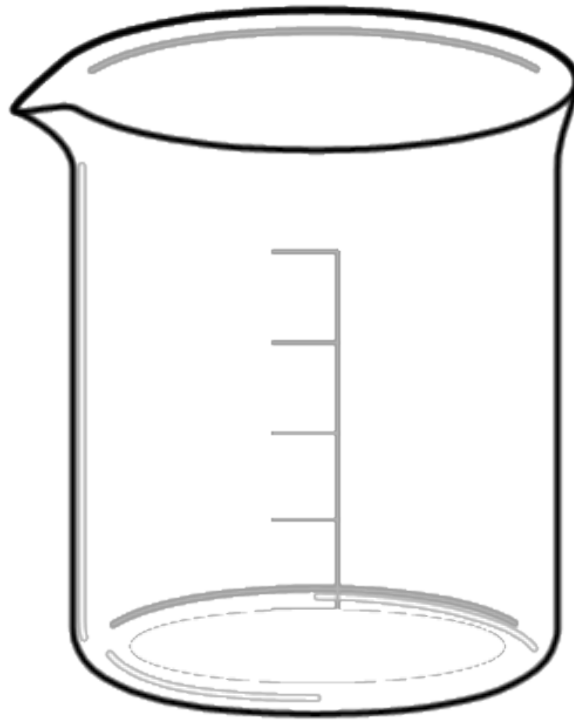


| | | | |
|-----------------|---|--------------|---|
| Topic | Particle pictures | Level | Key Stage 3 (or any course for students aged 11-14) |
| Outcomes | <ol style="list-style-type: none">1. Be able to draw accurate particle pictures for solids, liquids and gases2. To accurately peer assess particle pictures and give specific feedback | | |

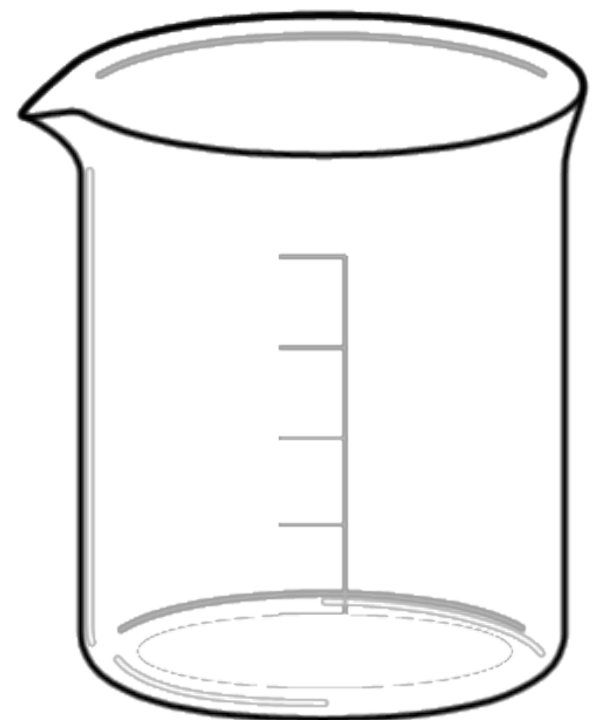
Draw a particle picture for a solid, liquid and gas



SOLID



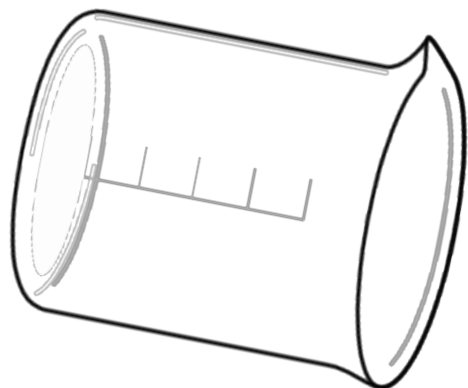
LIQUID



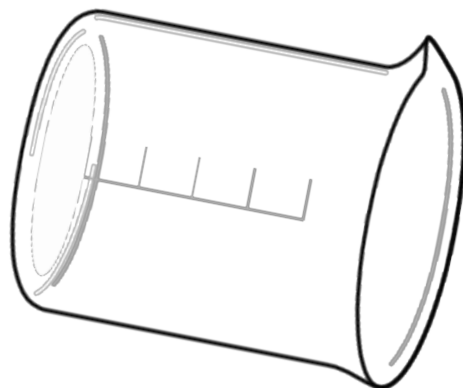
GAS

Imagine the substance is now poured out of the beakers. What would your particle pictures now look like?

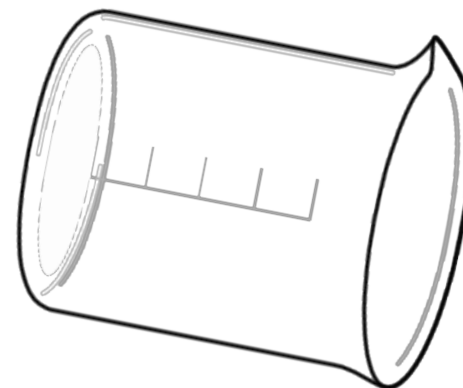
SOLID



LIQUID



GAS



Peer assessment: Solids

- All particles are the same size
- All particles are touching
- Particles are arranged in ordered layers
- The substance has a fixed shape

Peer assessment: Liquids

- All particles are the same size
- All particles are touching at least one other particle
- Particles are randomly arranged
- The substance does not have a fixed shape

Peer assessment: Gases

- All particles are the same size
- No particles are touching each other (distance between them is about 10 x diameter of each particle)
- Particles have arrows to show movement
- The substance does not have a fixed shape

Before you hand the work back

Give your feedback under each picture

1. What went well on each picture?
2. One thing that could be improved on each picture (be specific)