

Low Temperature Chemistry

Record accurate observations for
experiments

Identify different types of gas that are in
the air.

Describe the changes of state for dry ice

Safety

- Write down 3 important safety rules



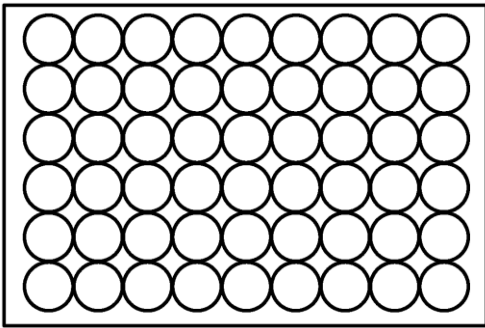
1. Students must not enter a laboratory without permission
2. Sensible and safe behaviour is expected at all times
3. Students must not eat or drink in a laboratory
4. Apparatus must not be touched or used without permission
5. Bags and coats must be stored safely
6. Goggles must be worn and long hair tied back when instructed
7. All accidents and damage must be reported immediately to the teacher
8. All apparatus must be returned carefully and safely after practical work
9. Bench surfaces must be clean and dry at the end of the lesson
10. Obey any instructions given by a member of staff

Dry ice

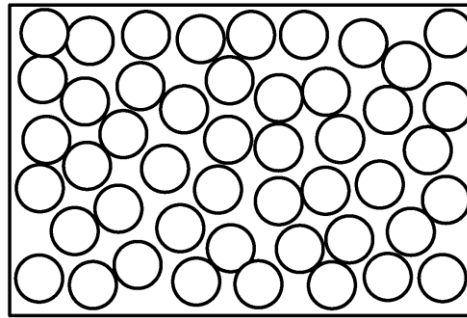
- What is it?
- Demo
- Where does it go?
- What experiments could we do to follow where it goes?

Task

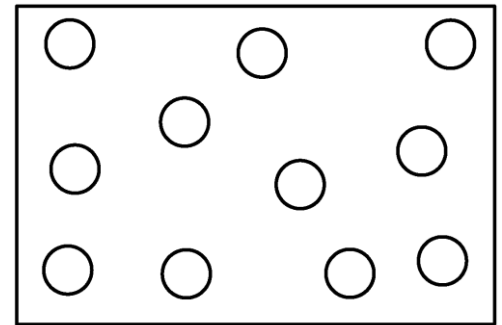
- Explaining what happens?
- We use the particle model



solid



liquid



gas

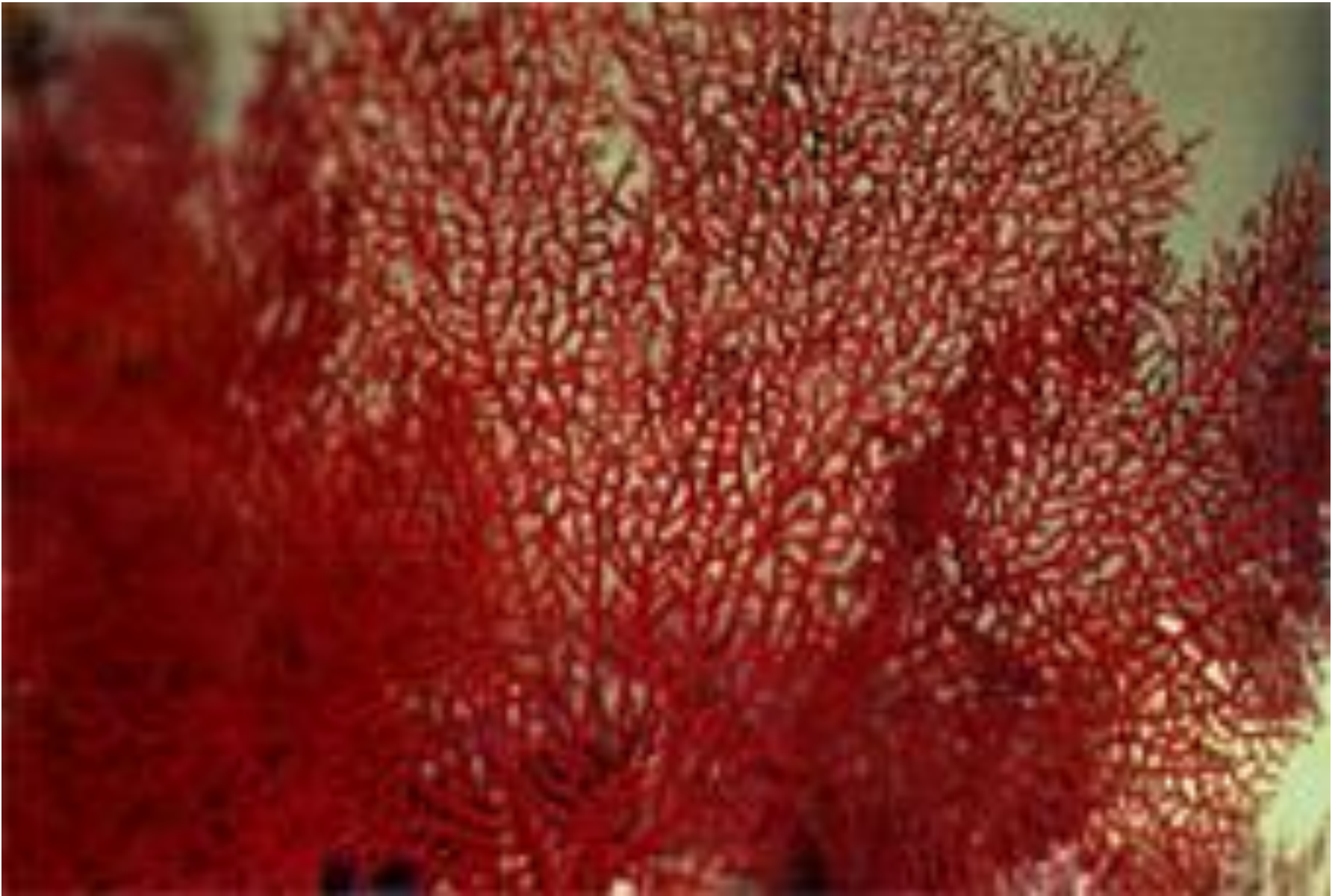
- 4 volunteers

Dry ice

- Does it go up or down?
- How cold is dry ice?
- -78°C
- Arctic (-50°C)
- Write down observations for experiments



- What dangers does this model show?



- Write down one thing that you have learned from today's lesson.