

Name:

“CPR” Quiz #1 - Types of Solids

Attempt Description	Colour Highlighter or Pen	What does this tell you?
1st - Just your brain		What you already have in your long-term memory.
2nd - Just your notes/resources		What you understand, but not in your long-term memory.
3rd - With support from classmates or teacher		What you don't understand.

When it comes to studying effectively, make sure you start with the material that was the 3rd attempt colour because that is what needs the most work.

This question is from the 2020 Mock Exam, Question 3.

(a) Three different substances (X, Y and Z) are analysed in a laboratory. Complete the table below by stating the type of particle and the type of bonding (attractive force) between the particles in each substance.

Substance	Electrical Conductivity	Types of Substance	Type of Particle	Attractive Forces Between Particles
X (s)	Good	Metallic		
Y (s)	Poor	Ionic		
Y (aq)	Good	Ionic		
Z (s)	Good	Covalent Network		

(b) (i) Contrast the electron conductivity of substance Y in its different states as a solid and in an aqueous solution.

[Delete and write your answer.]

(ii) Compare and contrast the electrical conductivity of solid substances X and Z.

[Delete and write your answer.]