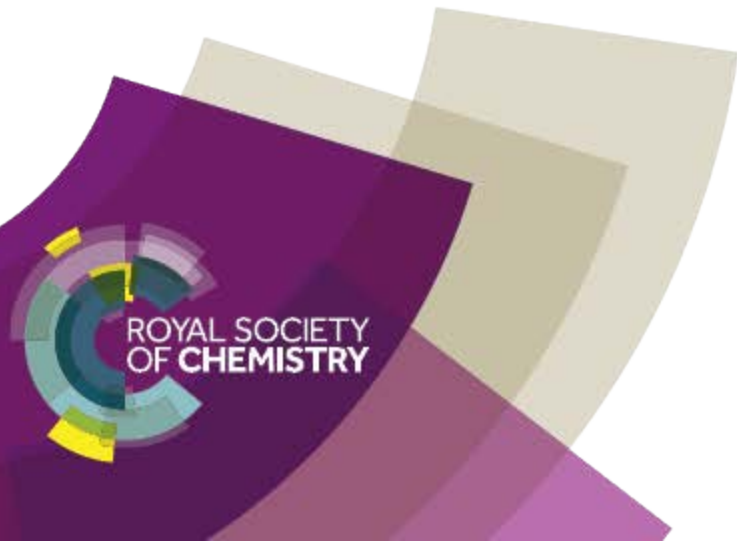


Debating metal bonding

This group exercise creates conflict to encourage students to challenge their thinking and construct new ideas






Today we are looking at the following idea:


Bonding in Metals

Draw a diagram to illustrate your understanding of this. Include labels as necessary.



Compare your diagram with those of your teammates.

- Which describes your understanding of metallic bonding the best?
- Use all of the diagrams to produce one final illustration.



You are now going to be provided with more information on this topic.

- Debate the pros and cons of your model in light of the new information.
- In your group, chose one person to play each role: proposition, opposition, summary speaker, judge. You have one minute to choose roles.



Team roles

Proposition

- Looks for evidence in support of the current model.

Opposition

- Looks for evidence against the current model and in support of a new, refined model.

Summary speaker

- Summarises the arguments and with the help of the judges, comes up with a refined model.
- Presents the new model to the team.

Judges

- Decide which of the points are valid and should be included in the new model.
- Passes the information on to the summary speaker.