

Displacement reaction snap

Education in Chemistry

March 2020

rsc.li/2OfpmtQ

Consolidate students' understanding of the reactivity series with a twist on the familiar card game, snap.

Preparation:

- Print out on card (laminates if you wish) and cut out the individual cards.
- Using a different coloured card for each set will help with clearing up and keeping the packs together.

Play:

- Play in pairs (or threes – one player can be referee).
- Shuffle and deal the cards face down.
- Each player then places a card face up. If they don't match:
 - Two metals: shout out the most reactive metal.
 - Two compounds: shout out 'mixture'.
 - Metal and compounds: shout out 'reaction' if the metal is more reactive than the metal in the compound. Shout out 'no reaction' if the reverse.

potassium

sodium

calcium

magnesium

aluminium

carbon

zinc

iron

tin

lead

hydrogen

copper

silver

gold

platinum

potassium
nitrate

sodium nitrate

lithium nitrate

calcium nitrate

magnesium
nitrate

aluminium
nitrate

zinc nitrate

iron nitrate

tin nitrate

lead nitrate

copper nitrate

silver nitrate

gold nitrate

platinum
nitrate