	ACTIVITY SHEET			
Name:	Hand in instructions:			
STATIC	ELECTRICITY			
1. Desc	cribing static electricity			
comb it with diagrams – it	s of three labelled diagrams, explain why someone's hair sticks up on end after you a plastic comb. (Note: you can be a terrible artist and produce brilliant scientific is all about the labels!) estion: Why's this hairy problem more of an issue on dry days than damp days			

## 2. Static electricity facts

<ul> <li>Answer 'True' or 'False' to each of the statements b</li> <li>Challenge: Explain each answer using examples wh</li> </ul>		oice.
Static electricity can be dangerous Why?	True	False
Static electricity can be useful Why?	True	False
Lightning is a form of static electricity Why?	True	False
The next seven questions are about electrostal	tic precipitators and	how they work:
Electrostatic precipitators are used to remove all pollutants from industrial gases Why?	True	False
Electrostatic precipitators remove dry dust particles from industrial gases Why?	True	False

Dust particles are given a negative charge by gaining electrons from a negatively charged metal grid Why?	True	False
The process gases including the negatively charged particles pass by a negatively charged collection plate Why?	True	False
The collected particles can be removed from the collection plates by rapping Why?	True	False
The cleaned process gases leave the electrostatic precipitator Why?	True	False
The process gases leaving the electrostatic precipitator are negatively charged Why?	True	False
vily.		

## 3. All about charges

Use the word bank to fill the gaps



