

Lesson 1 - Could you be the next Nintendo apprentice?

Before you begin the online lesson, make some short notes in your pink book about:

- What you already know about electricity.
- What would you like to find out?

LC: Can I understand static electricity?

<https://classroom.thenational.academy/lessons/what-is-static-electricity-74tk2t?activity=video&step=1>

Watch the online lesson video. The following questions will be answered during the video. Make a note of the answers either in your pink books, or save them on this document to submit to me on Google classroom.

Activity 1: Complete the glossary with the scientific terminology

Word	Definition
attract	
repel	
balanced	
unbalanced	
positive	
negative	

Activity 2: Static electricity - answer the questions

1. What happens to the charges to make a static charge build up?
2. Describe one example of how you create static charge.
3. How can we tell if a balloon is 'charged'?

Activity 3: experiment observations - complete the sentences

The teacher rubbed the balloon and then:

1. When they held it near hair, _____

2. When they held it near small pieces of paper, _____
3. When they held it against the wall and let go, _____

Activity 4: Discharging static electricity

1. What happens to charge when static discharge occurs?
2. Give two examples where static discharge may occur.

Activity 5: Lightning

Add annotations to the diagram to describe what happens when there is a lightning strike:

