

STATIC ELECTRICITY

Watch the video and complete the sentences:

choose: attract/s or repel/s

- ☼ The positively charged cups _____ each other
- ☼ The positively charged rod _____ the positively charged cup
- ☼ The negatively charged rod _____ the positively charged cup

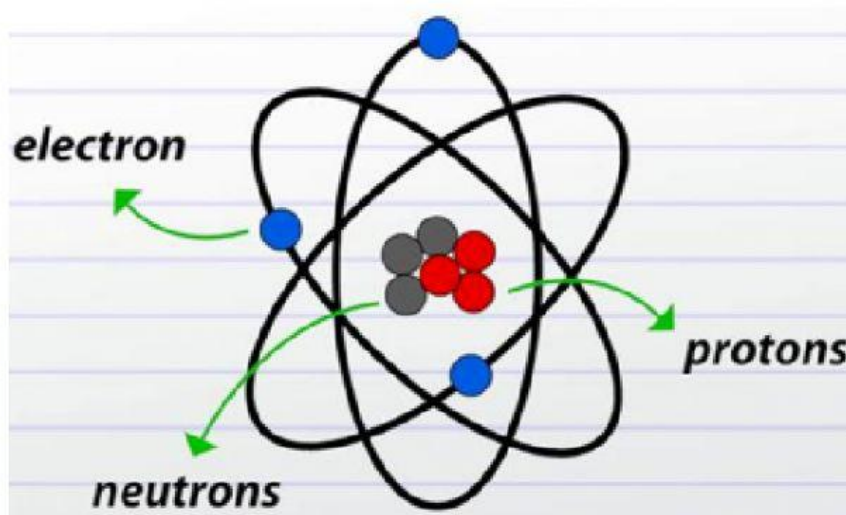
Watch the video to understand **STATIC ELECTRICITY**:

GENERAL IDEAS YOU NEED TO UNDERSTAND:

All matter is made up of ATOMS:

ATOMS:

- * So tiny, you just can see them under a special microscope. They are the smallest unit of everything.
- * They cannot be cut or divided.
- * Everything is made up of atoms.
- * They have different parts:



NEUTRONS: NEUTRAL

PROTONS: (+) POSITIVE CHARGE

ELECTRONS: (-) NEGATIVE CHARGE

■ **CONDUCTORS:** METALS AND SALT WATER → electrons can flow easily

■ **INSULATORS:** PLASTIC, RUBBER, GLASS → electrons do not jump easily to other atoms.

Correct the sentences that are wrong and answer the questions:

1. Atoms are so big you can see them under a special telescope.
1. _____
2. Atoms can be cut and divided
2. _____
3. What are the parts of the ATOM?
3. _____, _____ and _____
4. What part of the ATOM is positively charged?
4. _____
5. What part of the ATOM is negatively charged?
5. _____
6. What materials have electrons that can easily flow?
6. _____ and _____
7. What materials are insulators?
7. _____, _____ and _____
8. What materials have electrons that do not jump easily from one atom to another?
8. _____

Watch the video and decide which experiment you can do at home: