

# Electrostatics

## Questions

### Module 1.1

Name: \_\_\_\_\_

Cell number: \_\_\_\_\_

E-mail address: \_\_\_\_\_

**QUESTION 1:**

Answer the following questions:

- 1.1 Give an example of static electricity in your life.
- 1.2 To which side will the electrons in a neutral object move if I place a positively charged object to its left without it touching the object?
- 1.3 When a charged and uncharged object touch, in which direction will the electrons move?
- 1.4 What does it mean when I say that an object is “neutral”?

**QUESTION 2:**

Provide one word for the following:

- 2.1 A very large amount of electrons that move between clouds.
- 2.2 When two pieces of wood are rubbed against each other.
- 2.3 Type of force when 2 charged objects move away from each when they come close together.

**QUESTION 3:**

Draw the following sketches and explain:

- 1.1 Where a charged plastic ruler attract the water from a tap.
- 1.2 What happens to your hair when you take off a jersey.
- 1.3 A charged ruler that pushes away an uncharged ruler.

**QUESTION 4:**

Provide the definition for:

- 1.1 Electrostatics.
- 1.2 Polarization.
- 1.3 Friction.
- 1.4 Charged object.
- 1.5 Electron shortage.

**QUESTION 5:**

Write down the correct letter in column 2 next to the number in column 1

Column 1		Column 2	
5.1	A positively charged ruler will....a positively charged ruler.	A	Repel
5.2	A positively charged ruler will....a neutral ruler.	B	Attract or repel
5.3	A positively charged ruler will....a negatively charged ruler.	C	Attract
5.4	.... Moves from the ruler to your hair	D	Protons
5.5	A lightning bolt is a large collection of	E	Electrons
		F	Neutrons