

## Building a Model for Electric Charge

Recall what we already know:

- All matter is made up of tiny particles called \_\_\_\_\_.
- The centre of the atom, called the \_\_\_\_\_, is made up of \_\_\_\_\_ which have positive charge and \_\_\_\_\_ which have no charge (neutral).
- Negative particles called \_\_\_\_\_ orbit around the nucleus.
- \_\_\_\_\_ are not tightly held into place, and can be easily removed, therefore, atoms gain and lose \_\_\_\_\_ very easily.

Consider:

What will happen to the charge of an atom:

- (a) if it gains an electron?
- (b) if it loses an electron?