

Theme: Relationship between Structure and Function

Things are built the way they are for a reason.

The **structure** of something (the way something is built or arranged) determines how that thing **functions** (the role it performs/how it works)

Example: A basketball.



Structure

Round

Full of air

Textured cover
grip

Function

Can roll

Can bounce

Lightweight

Good

TRY IT: Come up with your own examples on whiteboard

So, how does this apply to atoms?

The main structure and function relationship we are interested in in atoms is the kinds of properties they have based on the number of valence electrons they have.