lons

Watch $\underline{\text{this}}$ video and read $\underline{\text{this}}$ to help you answer the following questions:

1. What is an ion?

2. What is the valence shell?

3.	What is an anion?
4.	How is an anion formed?
5.	What is a cation?
6.	How is a cation formed?
7.	Identify whether the following are cations or anions:
	a) Mg ²⁺
	b) K⁺
	c) O ²⁻
8.	Name the following:
	a) Cl
	b) Cl ⁻
	c) O ²⁻
	d) Al ³⁺
9.	Write down the electronic configuration of the following:
	a) Mg b) Mg ²⁺ c) CI d) CI ⁻
10	 Explain the following statement: Atoms change into ions because ions are more stable than atoms.