

- Write down the ground state electron configurations for the following species.
Na is given as an example.

Marks
4

Na	$[\text{Ne}] 3s^1$
K	$[\text{Ar}] 4s^1$
As	$[\text{Ar}] 4s^2 3d^{10} 4p^3$
Sr	$[\text{Kr}] 5s^2$
C^+	$[\text{He}] 2s^2 2p^1$

Name the elements described by the following configurations.

$[\text{Kr}] 5s^2 4d^6$	ruthenium
$[\text{Xe}] 6s^2 5d^1 4f^{11}$	erbium