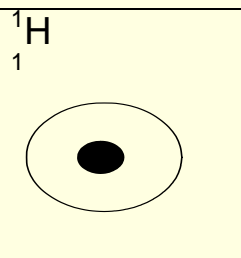
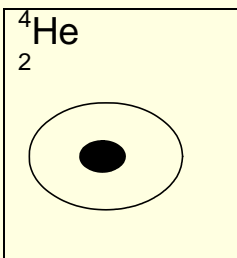
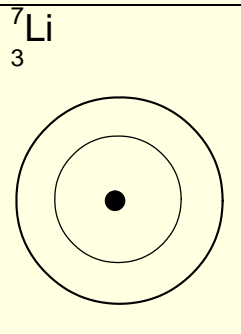
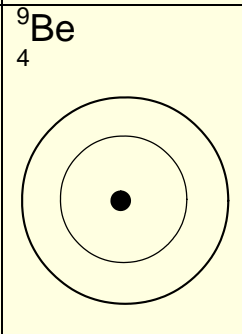
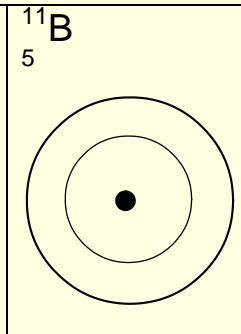
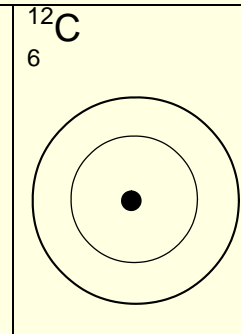
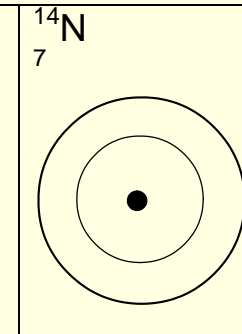
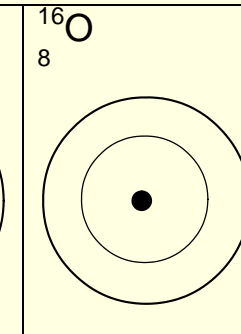
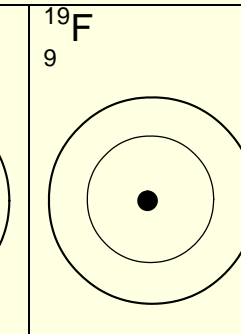
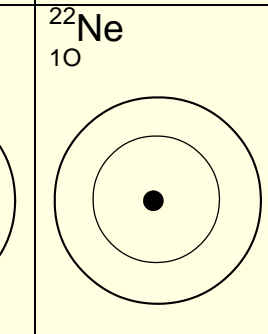
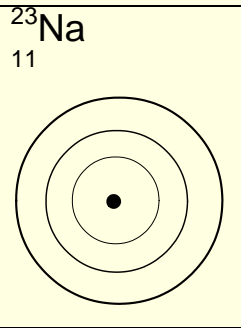
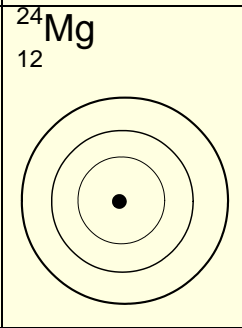
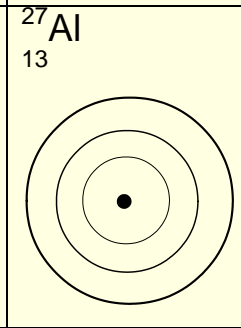
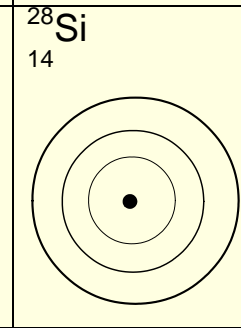
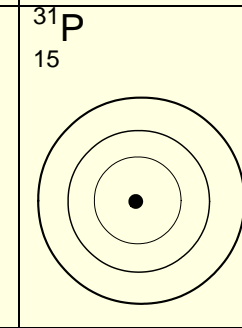
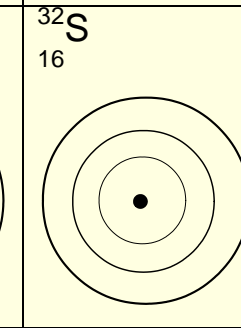
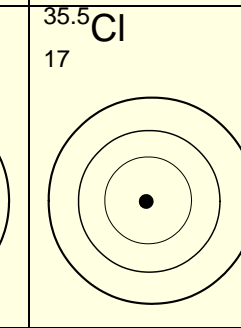
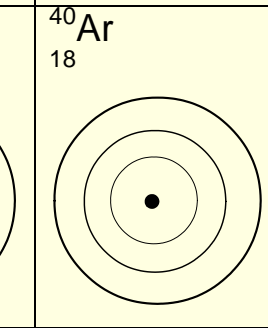
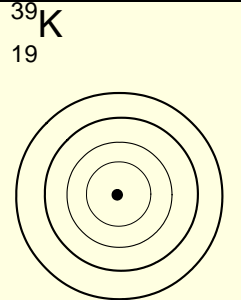
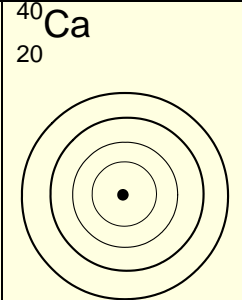
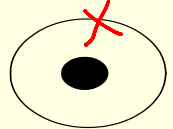
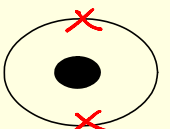
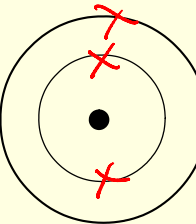
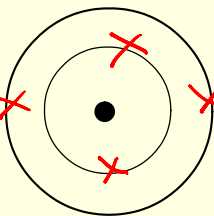
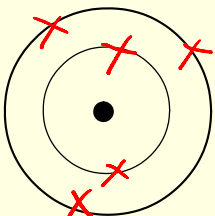
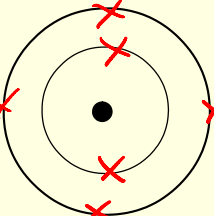
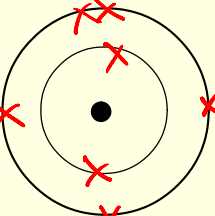
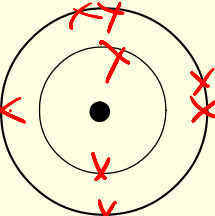
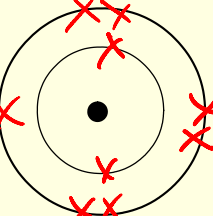
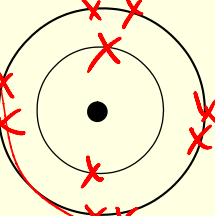
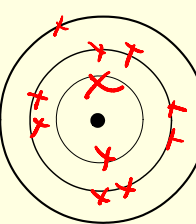
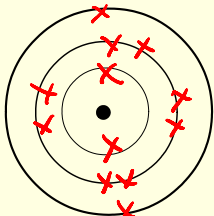
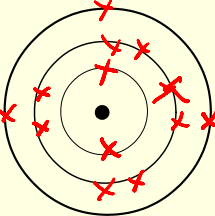
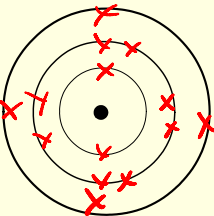
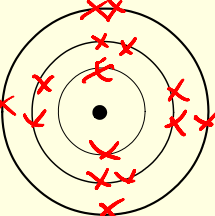
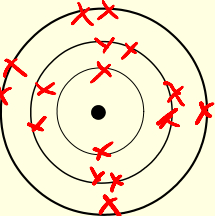
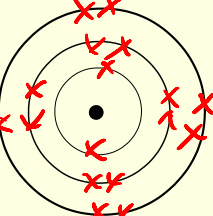
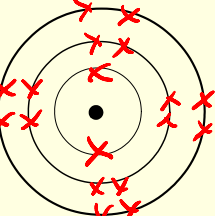
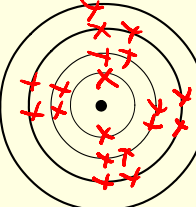


# Atomic Structure diagrams

Complete the following by filling in all the electron arrangements for the first 20 elements. Write the name of the element in the box along with its electron arrangement. Check your answers below when you are done.

${}^1_1\text{H}$ 							${}^4_2\text{He}$ 
${}^7_3\text{Li}$ 	${}^9_4\text{Be}$ 	${}^{11}_5\text{B}$ 	${}^{12}_6\text{C}$ 	${}^{14}_7\text{N}$ 	${}^{16}_8\text{O}$ 	${}^{19}_9\text{F}$ 	${}^{22}_{10}\text{Ne}$ 
${}^{23}_{11}\text{Na}$ 	${}^{24}_{12}\text{Mg}$ 	${}^{27}_{13}\text{Al}$ 	${}^{28}_{14}\text{Si}$ 	${}^{31}_{15}\text{P}$ 	${}^{32}_{16}\text{S}$ 	${}^{35.5}_{17}\text{Cl}$ 	${}^{40}_{18}\text{Ar}$ 
${}^{39}_{19}\text{K}$ 	${}^{40}_{20}\text{Ca}$ 						

# Answers

${}^1_1\text{H}$ 								${}^4_2\text{He}$ 
${}^7_3\text{Li}$ 2,1 	${}^9_4\text{Be}$ 2,2 	${}^{11}_5\text{B}$ 2,3 	${}^{12}_6\text{C}$ 2,4 	${}^{14}_7\text{N}$ 2,5 	${}^{16}_8\text{O}$ 2,6 	${}^{19}_9\text{F}$ 2,7 	${}^{22}_{10}\text{Ne}$ 2,8 	
${}^{23}_{11}\text{Na}$ 2,8,1 	${}^{24}_{12}\text{Mg}$ 2,8,2 	${}^{27}_{13}\text{Al}$ 2,8,3 	${}^{28}_{14}\text{Si}$ 2,8,4 	${}^{31}_{15}\text{P}$ 2,8,5 	${}^{32}_{16}\text{S}$ 2,8,6 	${}^{35.5}_{17}\text{Cl}$ 2,8,7 	${}^{40}_{18}\text{Ar}$ 2,8,8 	
${}^{39}_{19}\text{K}$ 2,8,8,1 	${}^{40}_{20}\text{Ca}$ 2,8,8,2 