

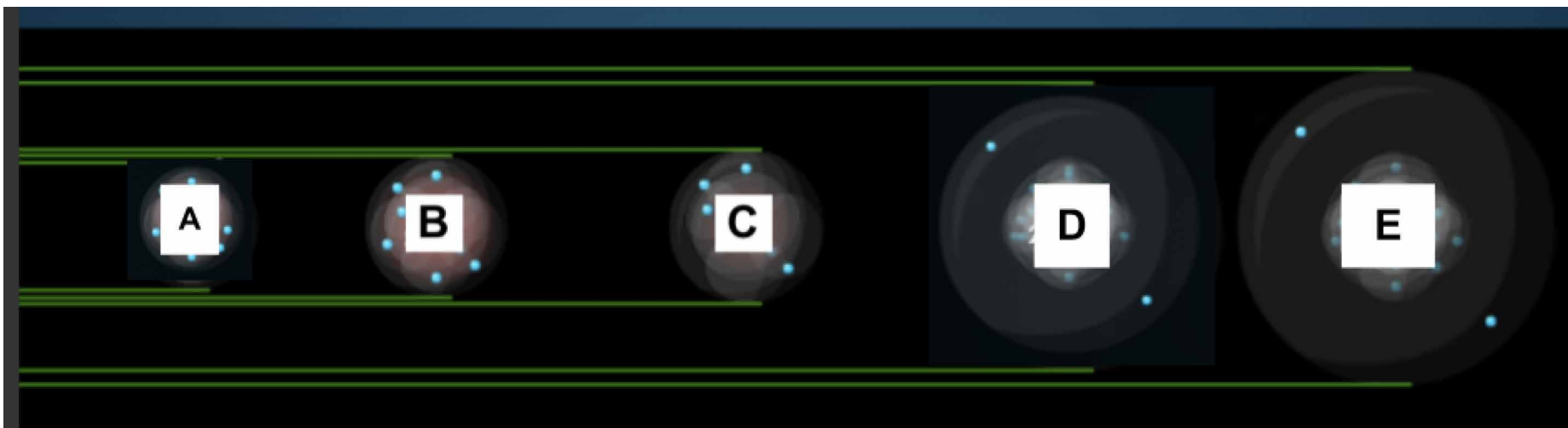


STUDENT CHECK FOR UNDERSTANDING

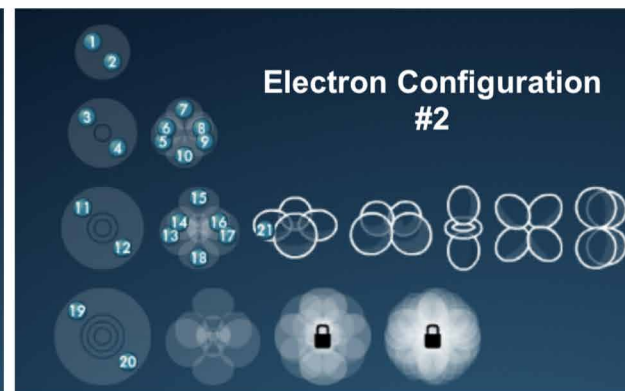
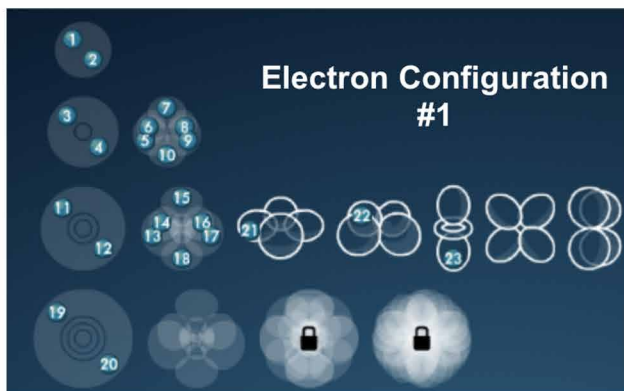
**Concepts:
Electron
Configuration &
Atomic Orbitals**

TASK

Match the atoms that have been ordered by increasing atomic radius below with their electron configuration screenshots from the game. Once you have matched the configurations to the atom, complete the rest of the table.



Increasing Atomic Radius \longrightarrow



Atom	A	B	C	D	E
Matching Electron Configuration (1,2,3,4 or 5)	#3	#4	#5	#1	#2
Written Electron Configuration (1s²...)	1s ² 2s ² 2p ⁵	1s ² 2s ² 2p ⁴	1s ² 2s ² 2p ²	1s ² 2s ² 2p ⁶ 3s ² 3p ⁶ 3d ³ 4s ²	1s ² 2s ² 2p ⁶ 3s ² 3p ⁶ 3d ¹ 4s ²
Number of Energy Levels	2	2	2	4	4
Atomic Number	9	8	6	23	21
Element Name	Fluorine	Oxygen	Carbon	Vanadium	Scandium
Chemical Symbol	F	O	C	V	Sc