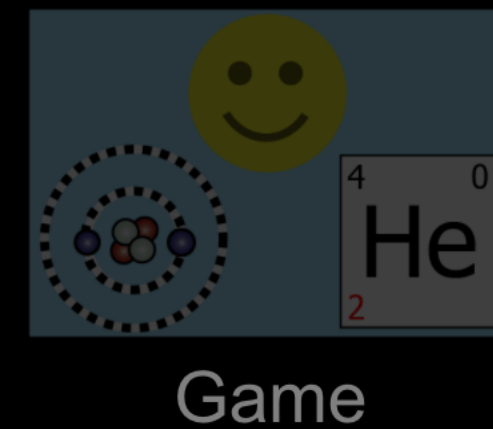
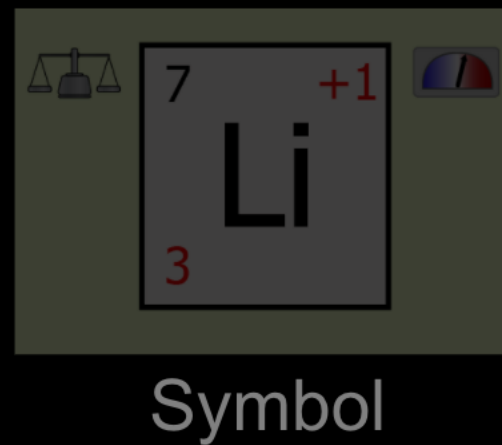
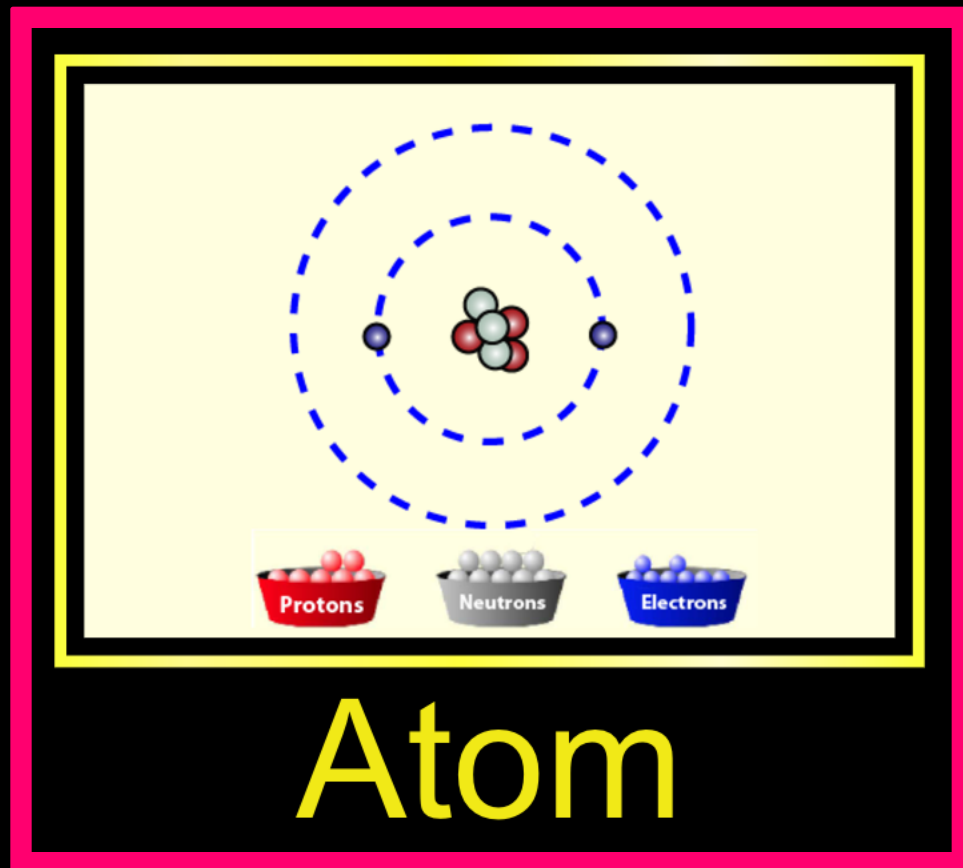
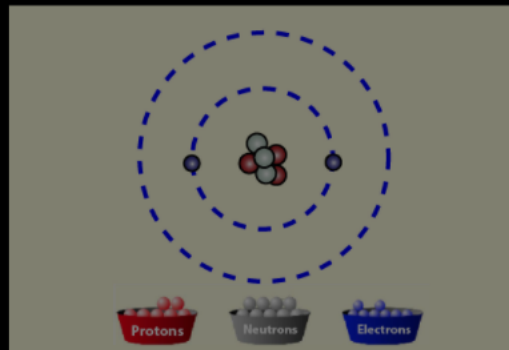


Build an Atom



“Explore what makes up an atom.”

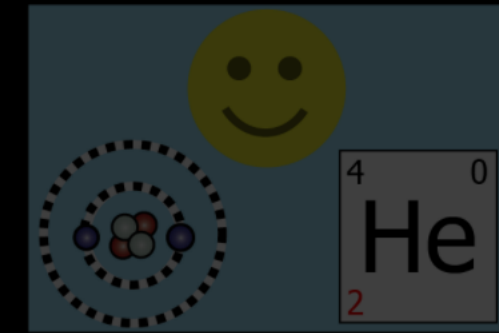
Build an Atom



Atom

A periodic table element card for Lithium (Li) is centered on a light green background. The card is enclosed in a yellow border and a pink border. It features a balance scale icon in the top left, a battery icon in the top right, and a central box containing the symbol 'Li'. The atomic number '3' is in the bottom left, and the charge '+1' is in the top right.

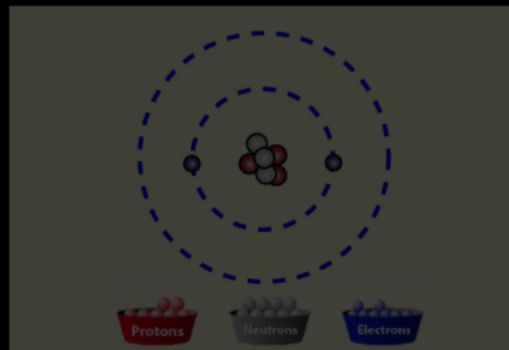
Symbol



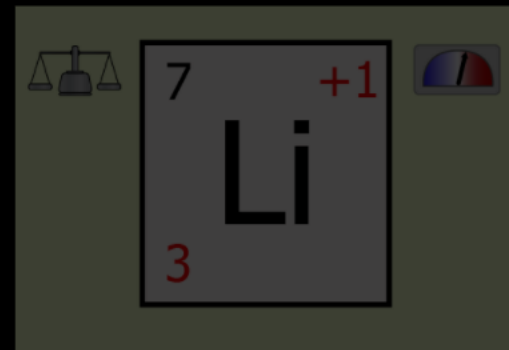
Game

“Investigate atoms and their atomic symbols.”

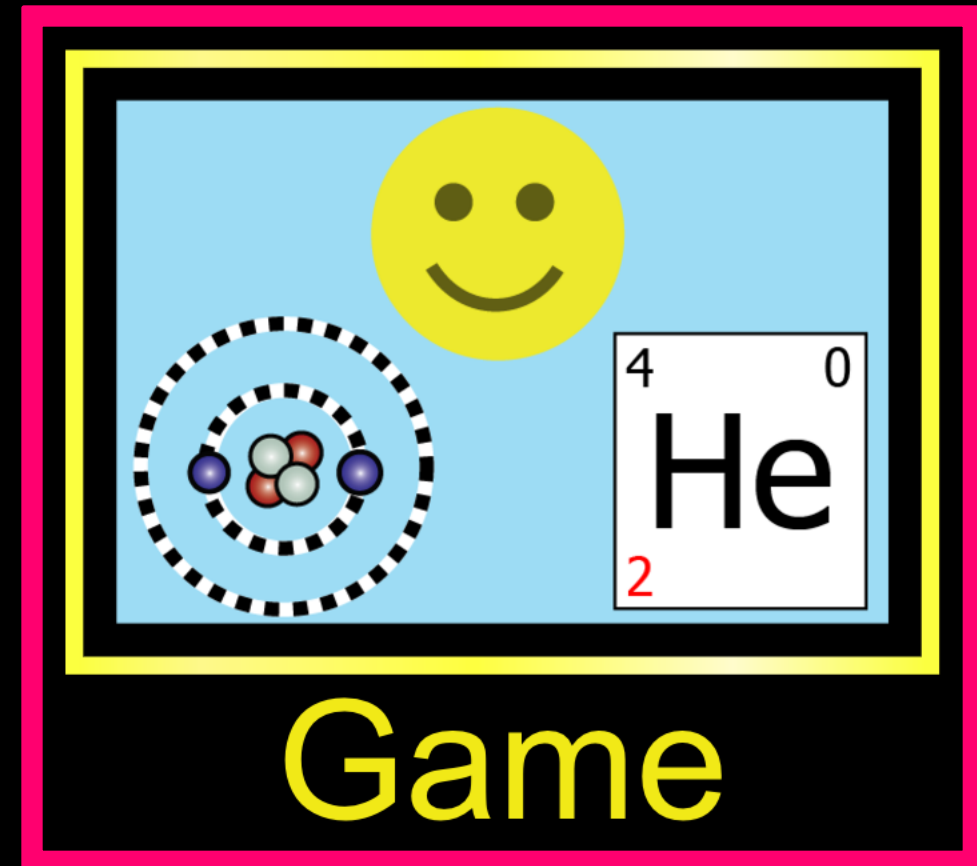
Build an Atom



Atom



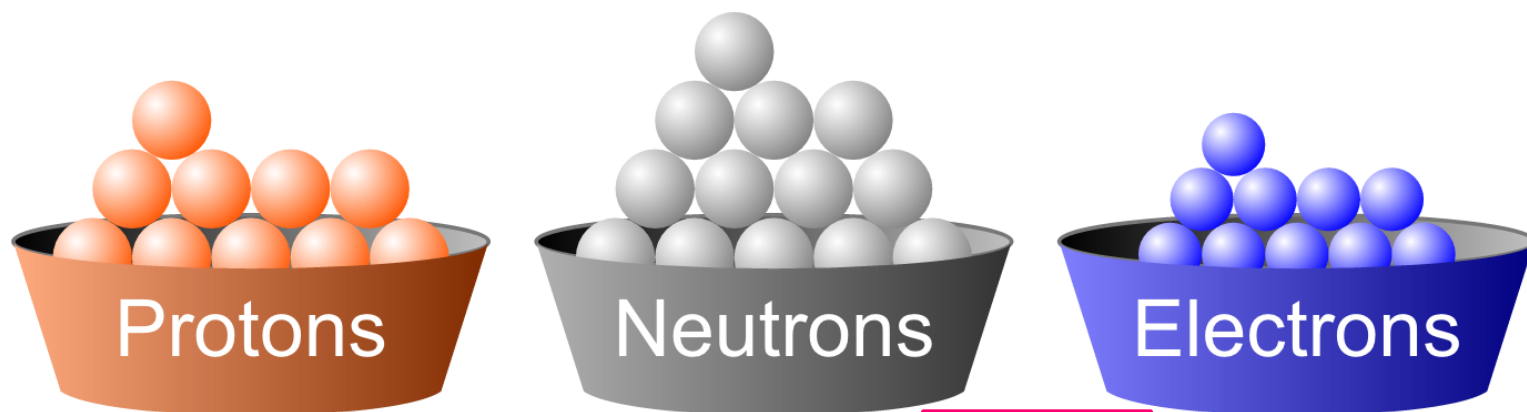
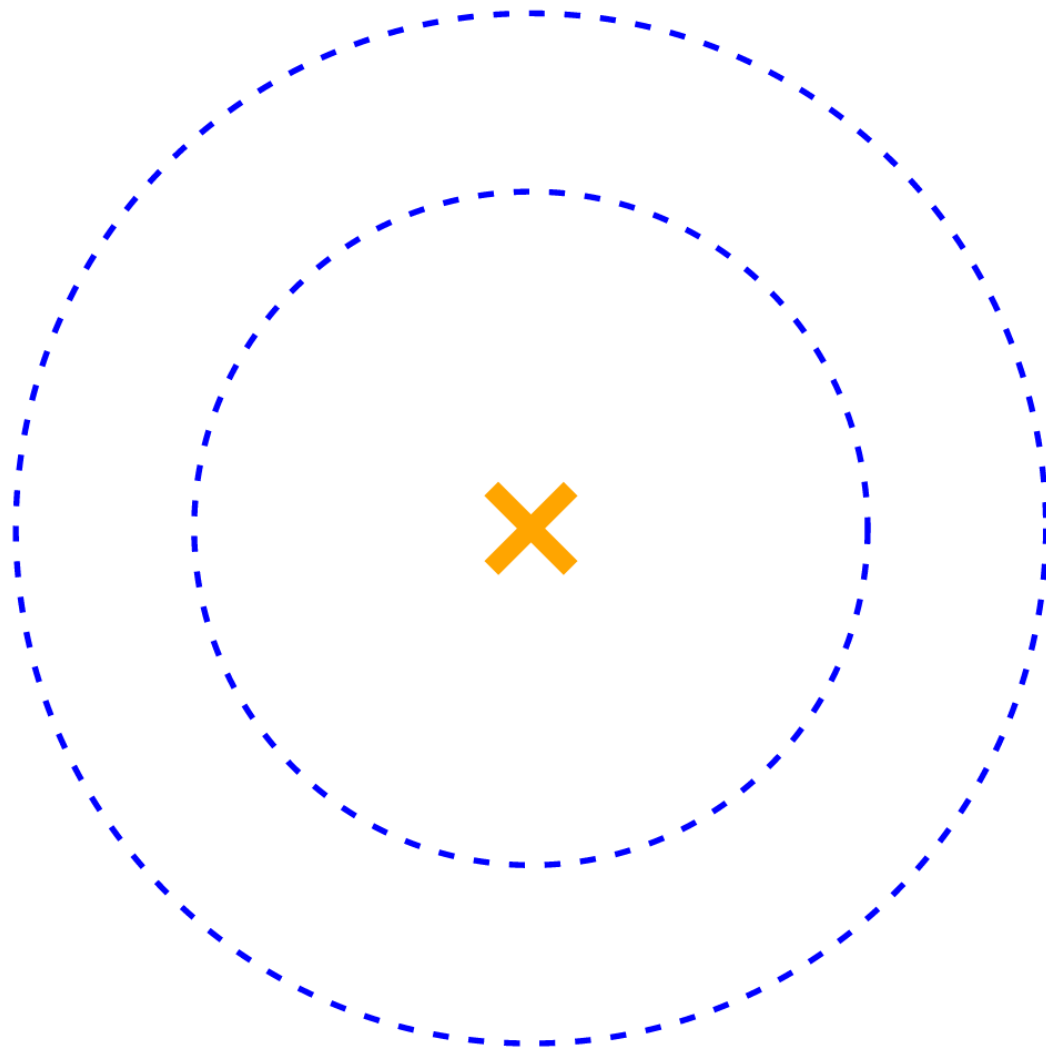
Symbol



Game interface showing a yellow smiley face, a diagram of a Helium atom, and a periodic table entry for Helium (He) with atomic number 4 and charge 0. The word "Game" is written in large yellow letters at the bottom.

“Test your knowledge of atoms and symbols.”

Protons:
Neutrons:
Electrons:



Element

H																	He				
Li	Be															B	C	N	O	F	Ne
Na	Mg															Al	Si	P	S	Cl	Ar
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr				
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe				
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn				
Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og				

Net Charge

Mass Number

Model:

- Orbits
- Cloud

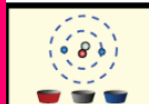
“Return to the Build an Atom home screen”

SHOW

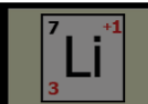
- Element
- Neutral/Ion
- Stable/Unstable



Build an Atom



Atom



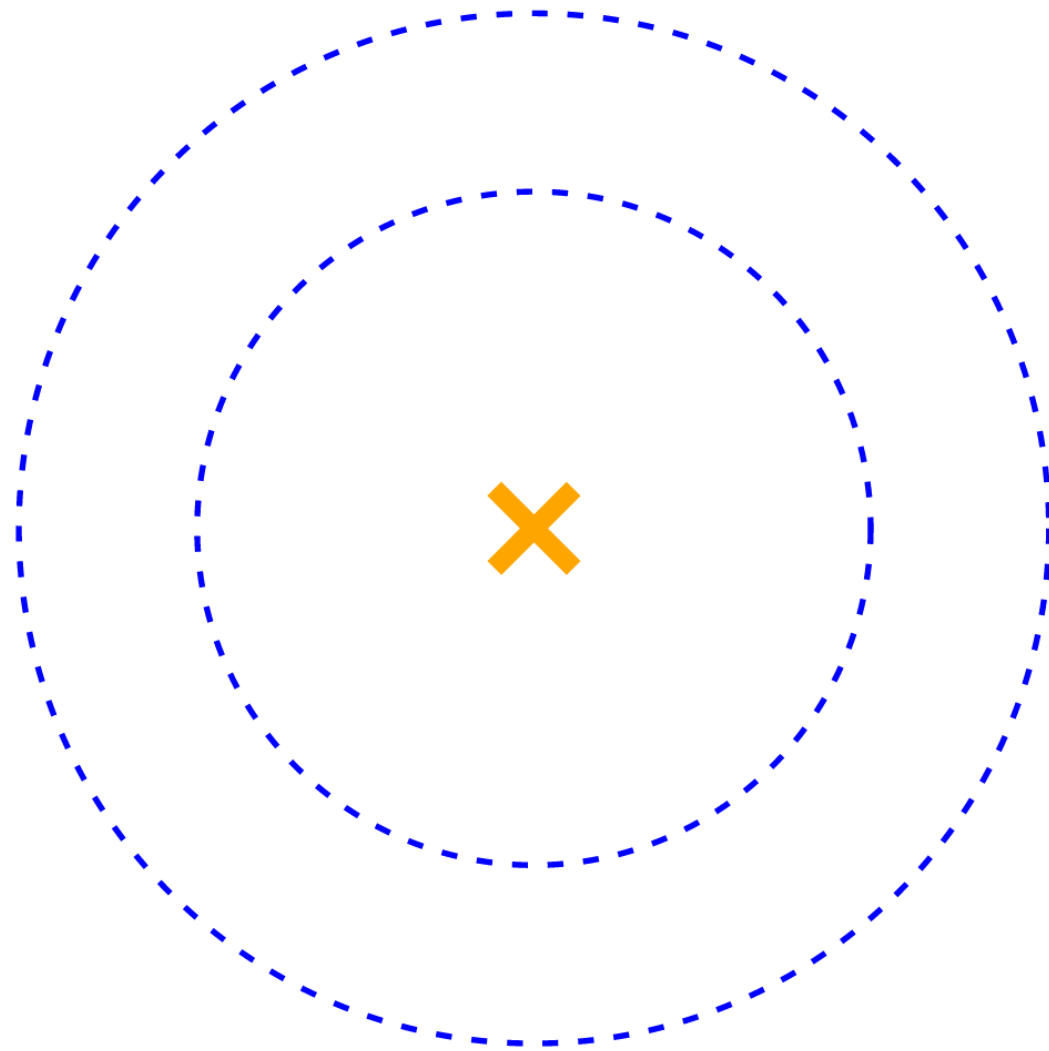
Symbol



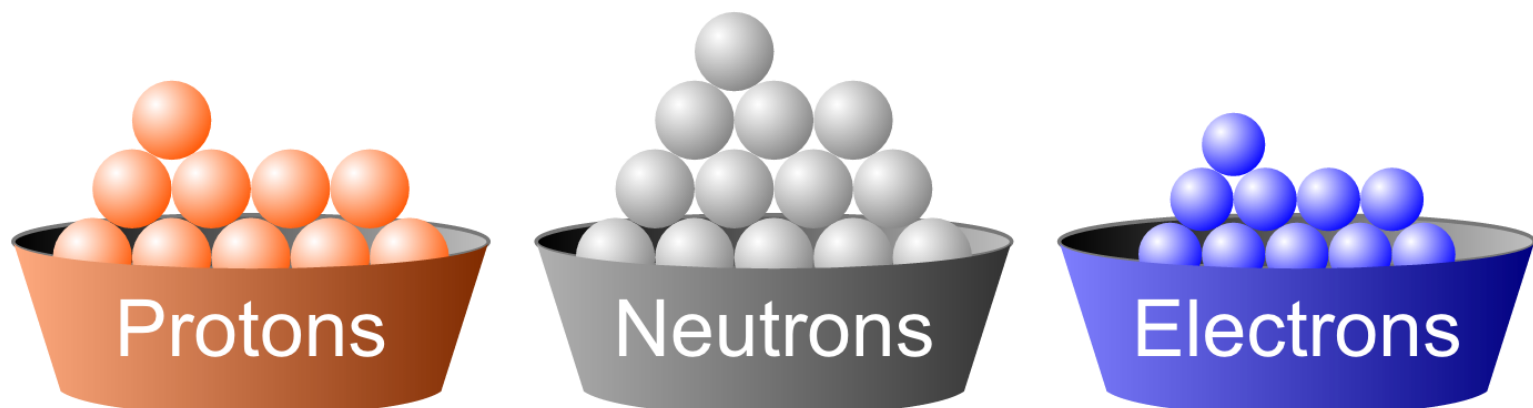
Game

PHET

Protons:
Neutrons:
Electrons:



Model:
 Orbits
 Cloud



Element -

H																		He
Li	Be											B	C	N	O	F	Ne	
Na	Mg											Al	Si	P	S	Cl	Ar	
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr	
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe	
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn	
Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og	

Net Charge +

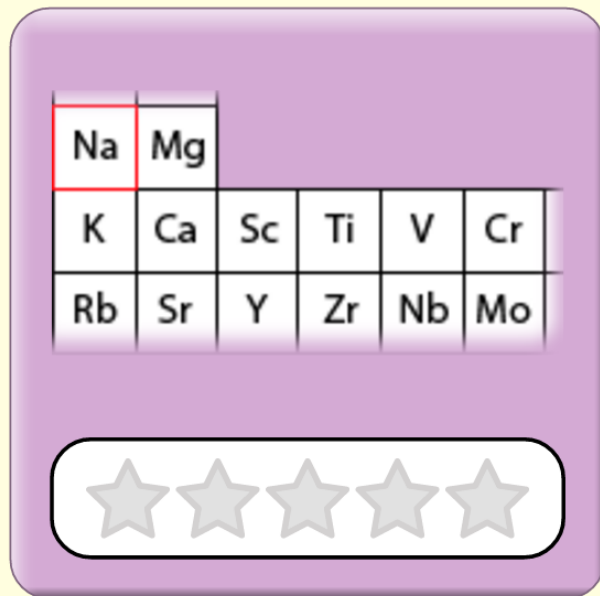
Mass Number +

“Explore what makes up an atom.”

- SHOW**
- Element
 - Neutral/Ion
 - Stable/Unstable



Choose Your Game!

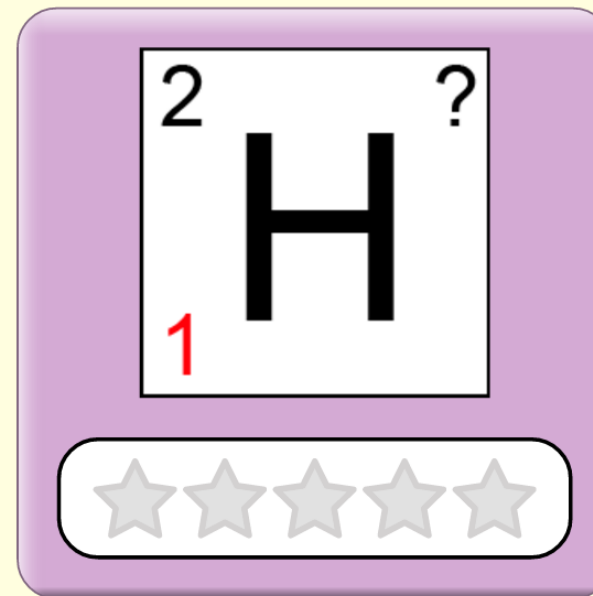


Na Mg
K Ca Sc Ti V Cr
Rb Sr Y Zr Nb Mo

★ ★ ★ ★ ★



★ ★ ★ ★ ★



2 ?
H
1

★ ★ ★ ★ ★



★ ★ ★ ★ ★

“Test your knowledge of atoms and symbols.”

