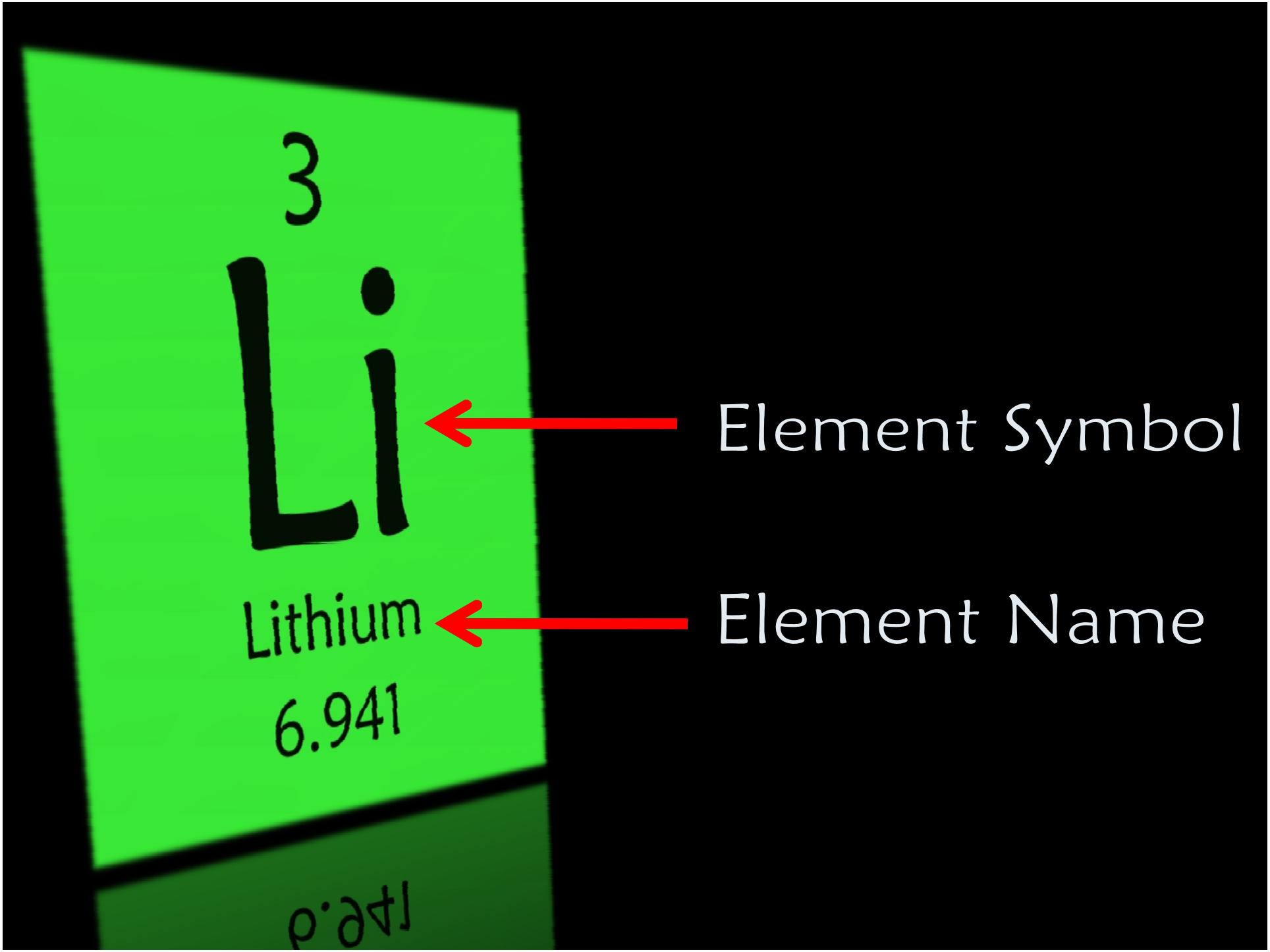
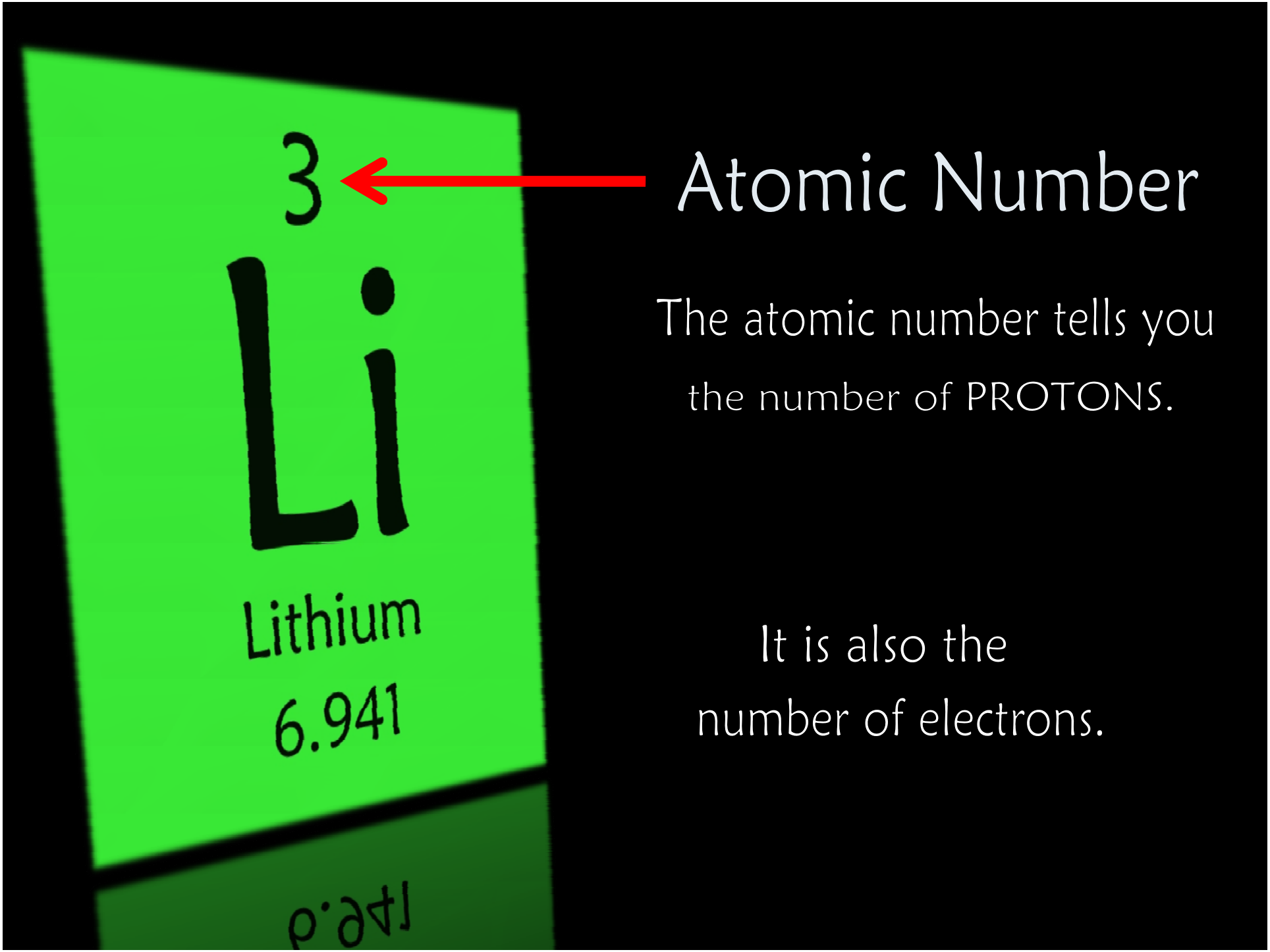
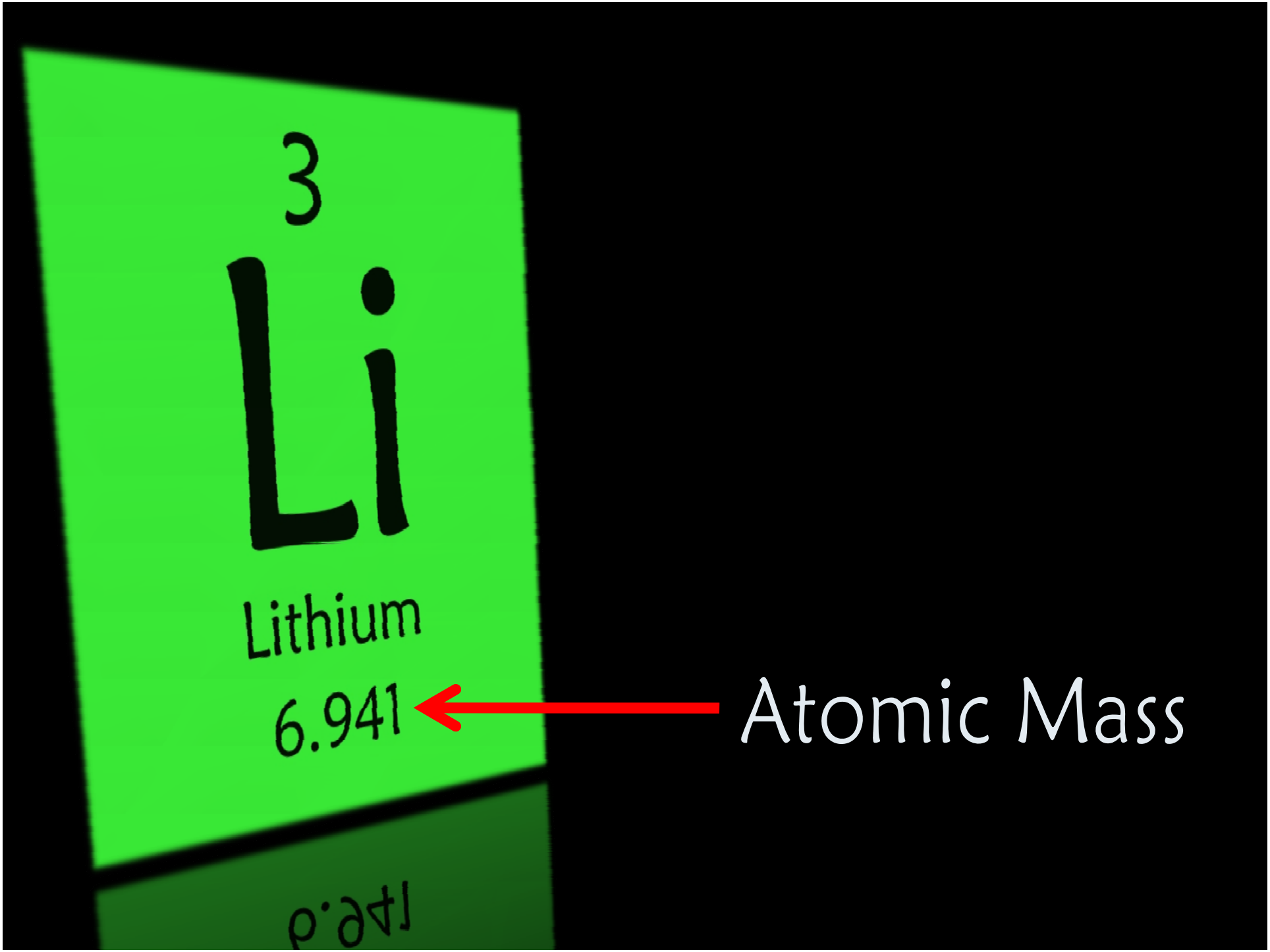
Reading the Periodic Table


3
Li
Lithium
6.941


3
Li
Lithium
6.941
Element Symbol
Element Name


3
Li
Lithium
6.941
Atomic Number
The atomic number tells you
the number of PROTONS.
It is also the
number of electrons.


3
Li
Lithium
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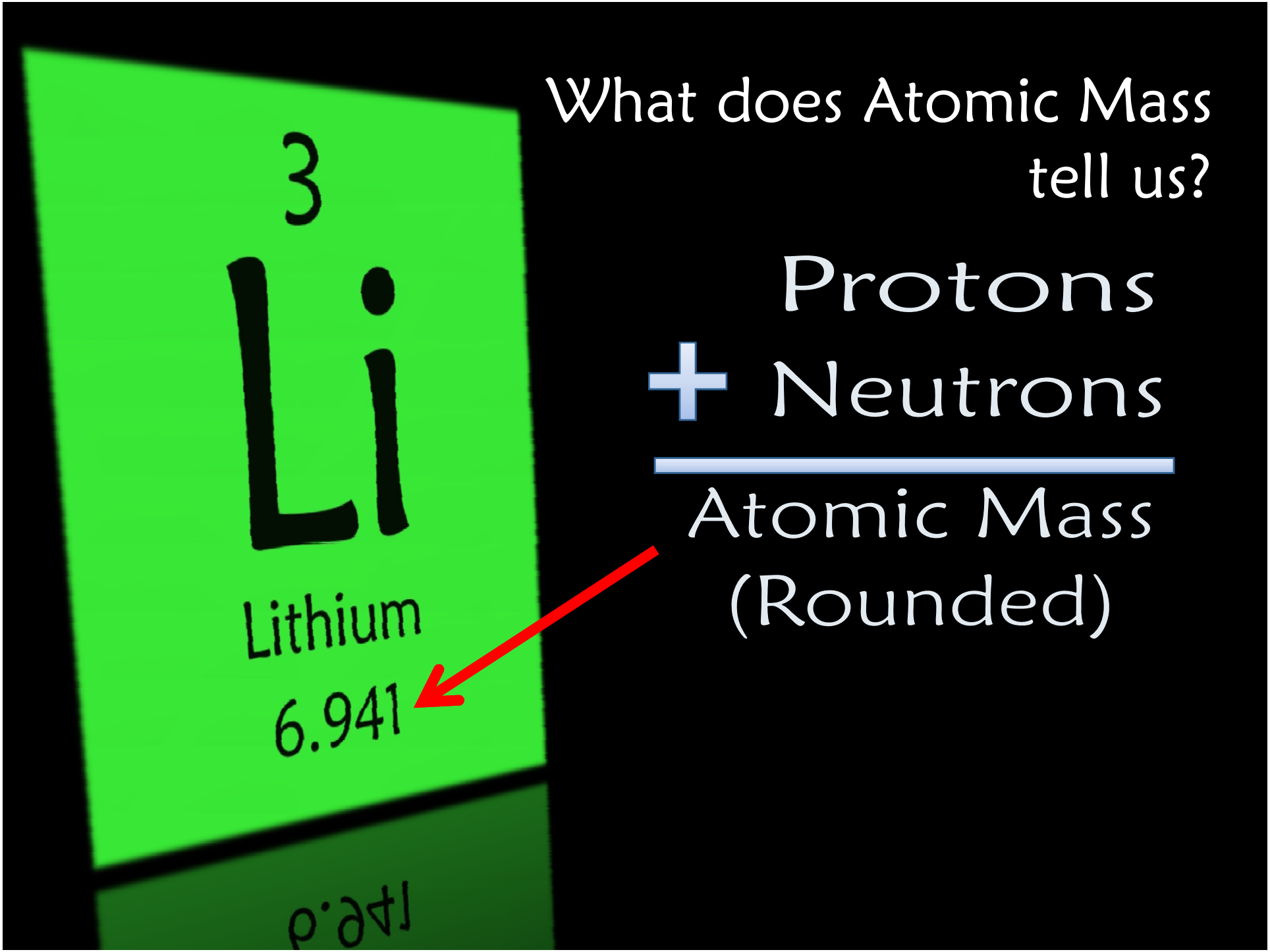
Atomic Mass


3
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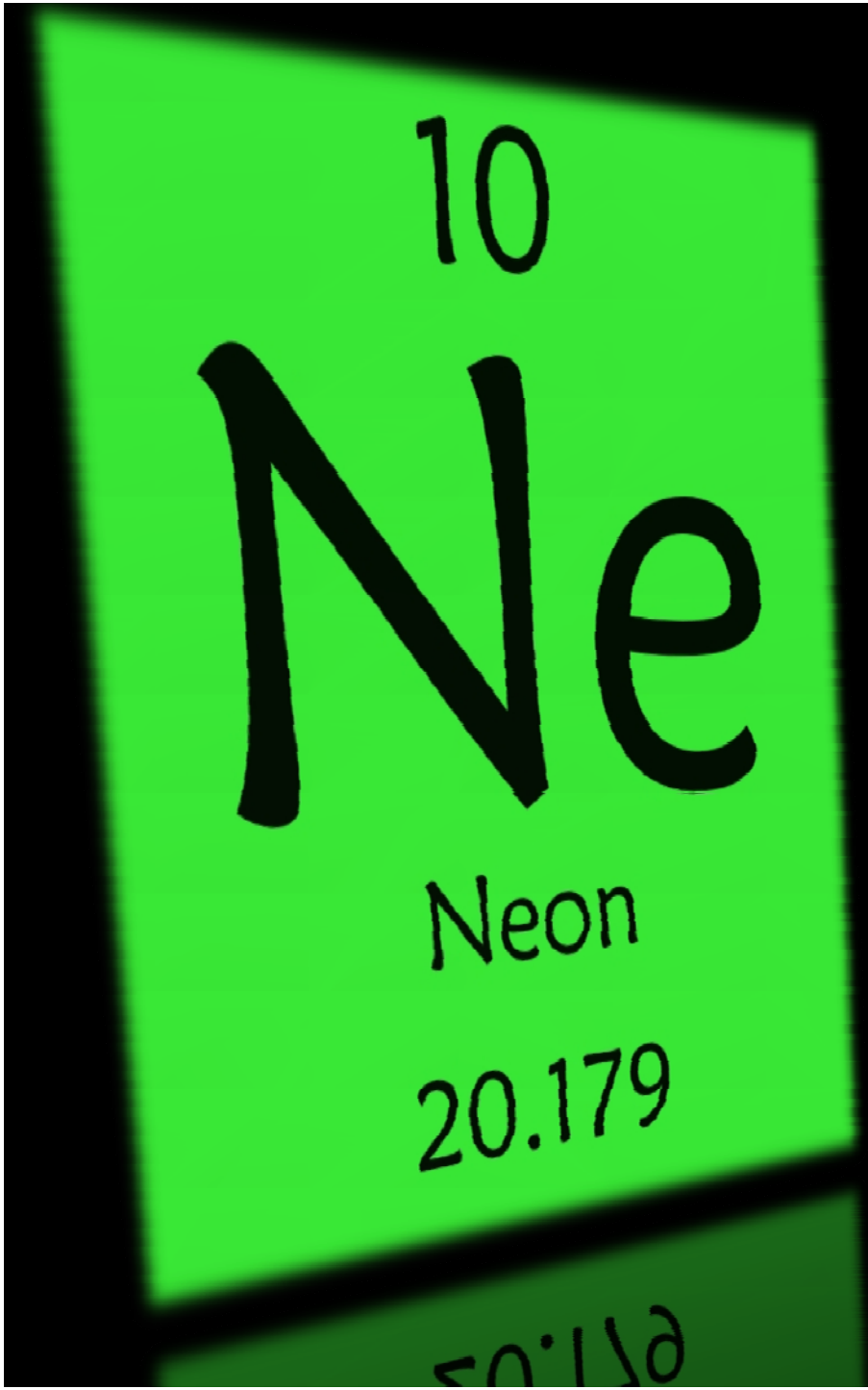
What does Atomic Mass tell us?
Protons
+ Neutrons
Atomic Mass (Rounded)

QUESTION…

How could you find the number of neutrons???

Answer:

$$\text{Atomic mass (rounded)} - \text{Atomic \#} = \text{\# of neutrons}$$



Lets give it a Try!

How many protons, electrons, and neutrons does Ne have?

$10\ p^+$

$10\ e^-$

$10\ n^0$

Let's Practice…

Find the number of p^+, e^-, and n for each element:

1. H	2. He	3. Tb
1 p^+	2 p^+	65 p^+
1 e^-	2 e^-	65 e^-
0 n	2 n	94 n

HOMEWORK…

Find the number of p^+, e^-, and n for each element:

1. Si
2. Hg
3. Fe
4. Ta
5. Pt