Life Cycle of Stars: Atomic History

projects.wwtambassadors.com/star-life-cycle

What to do:

1. Consider a single atom of helium (**He**).
2. Using information collected from the *Life Cycle of Stars* interactive, explore how this atom might have evolved and migrated over the past 13.8 billion years since the big bang (which produced only **H** and **He** and a tiny amount of **Li**).

   Provide an example where this atom might be today (e.g., your body, Mt. Rushmore, the Arctic Ocean, etc.).
3. Repeat **step 2** with one of the elements from the second row.
4. Repeat **step 2** with one of the elements from the third or fourth row.

1 H Hydrogen																2 He Helium
Li	Be											B	6 C Carbon	N	8 O Oxygen	F	10 Ne Neon
11 Na Sodium	12 Mg Magnesium											Al	14 Si Silicon	15 P Phosphorus	16 S Sulfur	Cl	Ar
K	Ca	Sc	Ti	V	Cr	Mn	26 Fe Iron	Co	28 Ni Nickel	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		Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
Fr	Ra		Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og

La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr