

Carbon Questions! Answer one question as a team on the white board. Table 1 Q 1, table 2 Q 2 etc.

1. What is carbon?
2. What is carbon dioxide?
3. Where is carbon found?
4. how do plants get carbon?
5. how do animals get carbon?
6. What activities release carbon into the air?
7. Where is carbon stored?
8. How do fossil fuels form?
9. How are fossil fuels used today?

Plan

- carbon cycle
- Cycle game
- Carbon and the

**Learning
Target**

Understand how carbon moves in a system.

What is carbon?

Carbon is a chemical element.

| Element: | C |
|------------------|--------|
| Symbol: | C |
| Atomic Number: | 6 |
| Atomic Mass: | 12.011 |
| Group Number: | 14 |
| Group Name: | Carbon |
| Chemical series: | None |
| Standard state: | Solid |

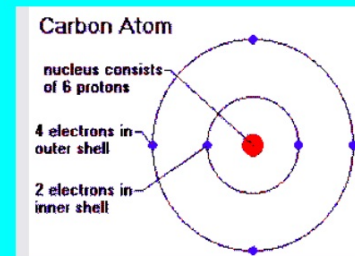
~Carbon is found in many different compounds, including carbon dioxide.

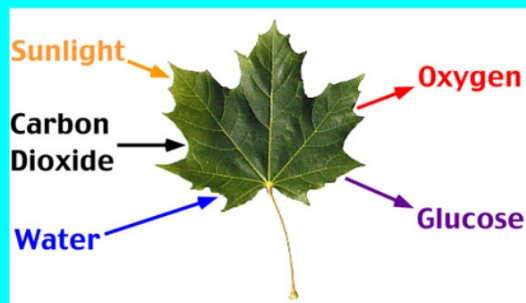
~Carbon is in your food, clothes, cosmetics and gasoline.

~Carbon is the sixth most abundant element in the universe.

~Carbon is found in all living things!

carbon_atom.gif



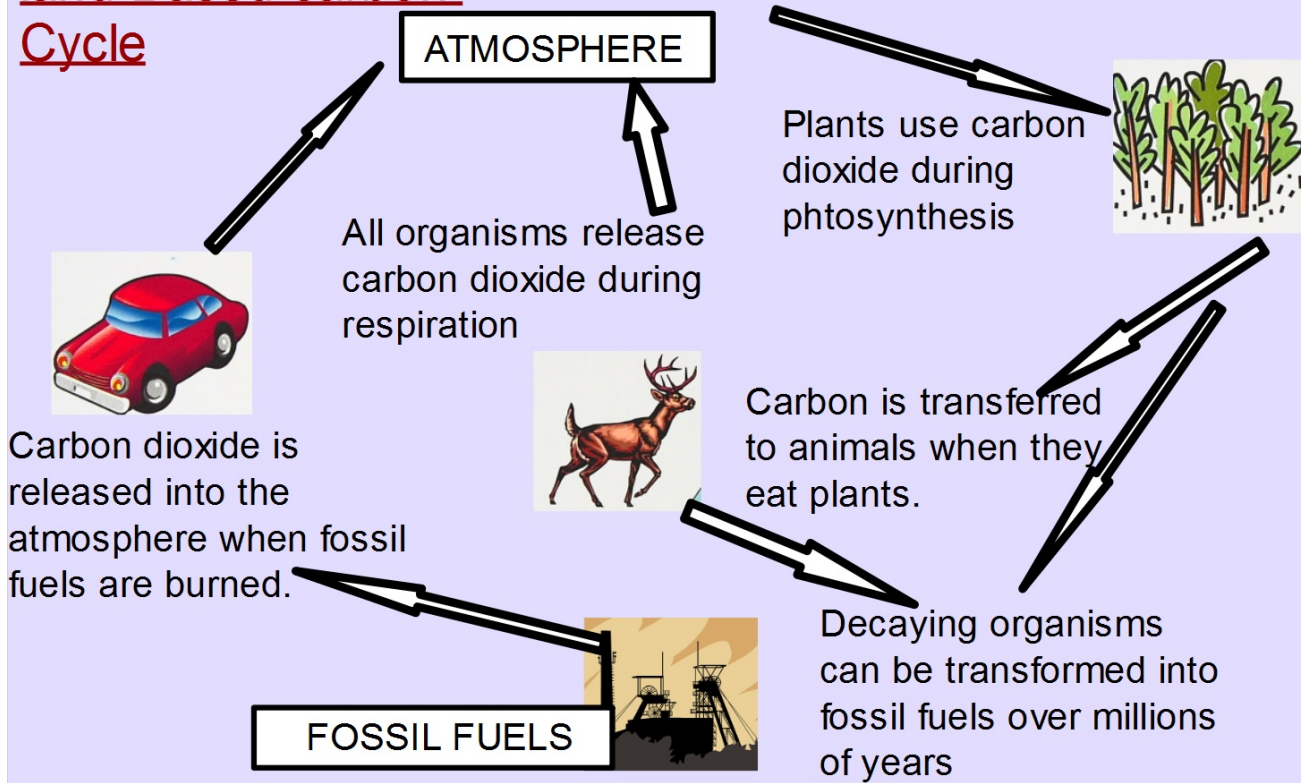


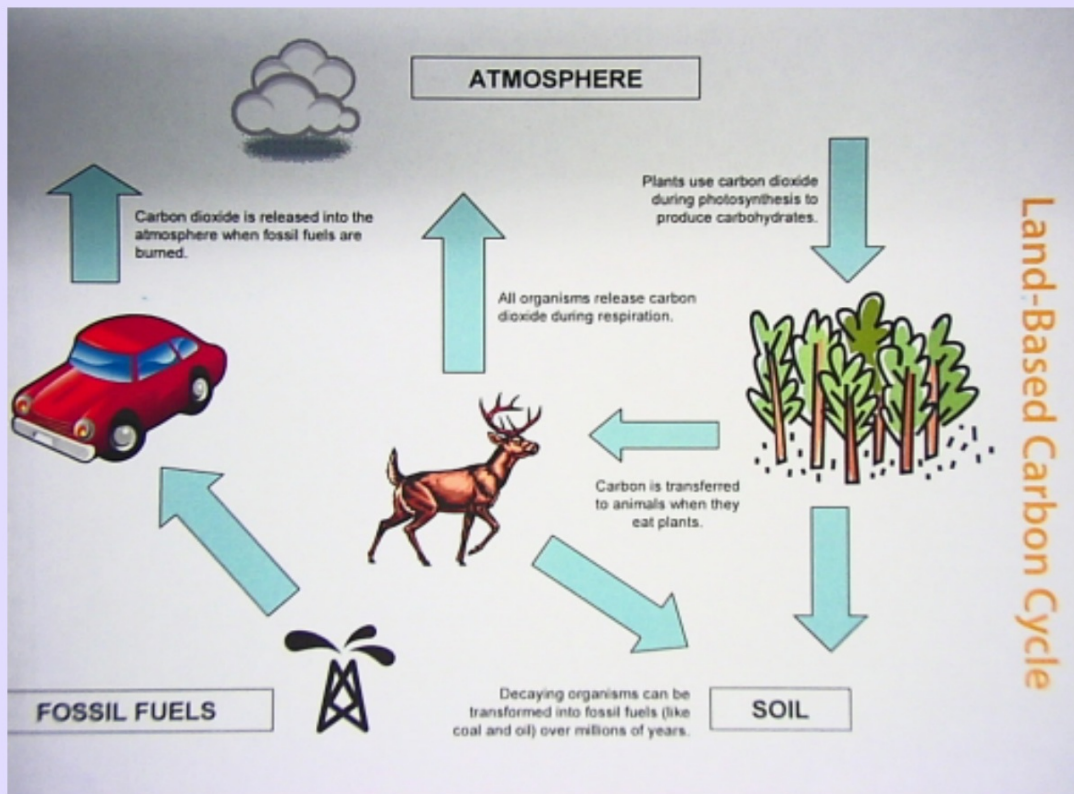
Photosynthesis



Respiration

land Based carbon Cycle





http://www.windows2universe.org/earth/climate/carbon_cycle.html

http://www.windows2universe.org/earth/Water/movies/ocean_dead_zones_nsf.html

What is the role of the ocean in the carbon cycle?



05/09

Climate Change

#8

Carbon Role Cards

Plan
-Pre-assessment
-The carbon link
-carbon cycle

Learning Target Understand how carbon moves in a system.

