Honors Biology

Energy Use

Objectives:

1. What is energy?
2. Where does energy come from?
3. Where is energy stored?
4. How is energy released?
5. What happens when energy is released?
6. How is energy transferred to earth?
7. How do you acquire energy?

Vocabulary

Endothermic, Exothermic, consumer, producer, autotroph, hetrotroph, trophic level, electromagnetic spectrum, bonds, radiation, energy pyramid

Activities:

Endothermic demonstration

Exothermic demonstration

UV Bead experiment Lab on Thursday or Friday (9/17 or 9/18)

Brainstorming-group discussions

Test on Energy: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (maybe Tuesday 9/22?)

Smart Sheet due same day as test.

UV lab due on 9/24 or 9/25

Standards addressed:

Experiments: 5.1.C.1, 5.1.B.1, 5.3.D., 5.1.A.1-4, 5.1.12.B.2, 5.1.12.C.1, 5.1.12.A.3, %.1.12.B.1

Energy uses: 5.10.B.1, 5.8.B.1, 5.5.12.A.3, 5.5.12.A.2