**(AP) ENVIRONMENTAL SCIENCE 2022-23 September 19, 2022**

**Today’s Agenda (Day 23)**

1. Housekeeping Items

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1. Homework Check:

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1. Class Activity:

🡪DAY 3: Chapter 3 PPT Review

1. **Section 3.2 - Characterizing Risk**
2. **Section 3.3 - Environmental Economics**
3. Section 3.4 - Comparing Economic and Ecological Systems
4. Section 3.5 - Using Economic Tools to Address Environmental Issues
5. Section 3.6 - Economics and Sustainable Development

HOMEWORK:

* READ: Chapter 3 – Risk, Economics, and Environmental Concerns
* COMPLETE: Chapter 4 Vocabulary (abridged template)
* STUDY: Chapter 3, Ch 3 & 4 Vocabulary, Chapter 4 Test

CHAPTER 3 VOCABULARY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Cost-benefit analysis | Deferred costs | Demand | Economics | Ecosystem services | environmental costs |
| Extended product responsibility | External costs | Life cycle analysis | Natural resources | negligible risk | Nonrenewable resources |
| Opportunity costs | Pollution | Pollution costs | pollution prevention | price probability | Renewable resources |
| Resources | Risk | risk assessment | risk management | Subsidy | Supply |
| supply/demand curve | sustainable development |  |  |  |  |

CHAPTER 4 – Matter, Energy and Environment

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| Acid | Activation energy | Atoms | Base | Catalyst | Cause and effect relationships |
| Chemical bonds | Combustion | Compound | Controlled experiment | Electrons | Elements |
| Endothermic reactions | Energy | Entropy | Enzymes | Exothermic reactions | Experiment |
| First law of thermodynamics | Hydroxide ions | Hypothesis | Ions | Isotopes | Kinetic energy |
| Kinetic molecular theory  | Latent heat | Law of conservation of mass | Matter | Mixtures | Molecules |
| Neutrons | Nucleus | Observation | pH | Photosynthesis | Potential energy |
| Protons | Pseudoscience | Reproducibility | Respiration | Science | Scientific law |
| Scientific method | Second law of thermodynamics | Sensible heat | Theory  | Variables |  |

REMINDERS:

* **TEST:** **Ch 3** 🡪 **~~Sept. 20~~ Sept. 22**
* QUIZ: APES MATH REVIEW 🡪 **Sept. 20**
* Chapter 4 Vocabulary – Sept. 22
* QUIZ: Ch 3 & 4 Vocabulary 🡪 Sept. 27
* **TEST:** **Ch 4 🡪 Sept. 29**