**Managing Growth & Resources (12.2)**

Read section 12.2

Humans need certain necessities to survive in their environment:

ENERGY:

* Why does coal burning continue to be the main source of electricity production?
* Why is the environmental cost of burning coal significant?
* Why is mercury so toxic when it enters ecosystems? Discuss in terms of biomagnification.
* What is the solution to reducing the effects of burning fossil fuels?

FOOD REQUIREMENTS:

* What is deforestation and discuss some of the issues associated with it.
* What is sustainable harvesting?
* Discuss the issue of overharvesting fish.
* What are some sustainable methods for providing food?

WASTE DISPOSAL:

* Identify the issue of the oceans being a site for waste disposal and the sources of this waste.
* What is a solution to this waste problem?
* Identify the issues with land waste disposal.

PRESERVING BIODIVERSITY:

* Discuss the declining biodiversity issue and why we should care.
* Discuss the relationship between biodiversity and spiritual benefits
* What is the purpose of monocultures?
* Identify the threats to biodiversity & habitat loss
* How does overexploitation impact biodiversity? What are two risks associated with it?
* How are invasive species, pollutants and disease impacting biodiversity?
* Identify some solutions to sustainability

HWK:

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