

Name _____

per _____

date _____

mailbox _____

Renewable (Alternative Energy) Vs. Nonrenewable

CLASS NOTES

slide 1 label definition: _____

These energy types come from sources, which cannot be depleted or if used can be renewed, regrown, recycled or transformed back once utilized. Further these types of energy sources can be renewed on scales and time frames congruent with the human life span. Many are associated with having little or no detrimental effect on the environment.

slide 2 label: _____

These energy forms come from sources that will run out or will not be replenished in our lifetimes—or even in many, many lifetimes. Many are associated with global warming or other types of environmental degradation.

slide 3 label energy type: _____

- Geothermal *Fisheries*
- Wind *Forests*
- w/ Enviro-management*
- Solar
- Hydroelectric or Hydropower
- Other - fuel cell, biofuels, ethanol, tidal

slide 4 label: _____

- Oil Tar Sands
- Coal Whaling
- Natural Gas Clear cutting
- Nuclear
- Fracking (Shale gas)



Renewable or nonrenewable

Do you know the name of these? _____

What industry are they associated with? _____

1



Renewable or nonrenewable

What is going on here? _____ What industry is this? _____

2



Renewable or nonrenewable

Where is this? _____

What animal is in the foreground? _____

What is that background? _____

3

Renewable or nonrenewable

What is this a map of?

(don't say U.S. & Canada)

What do you know about this?



4

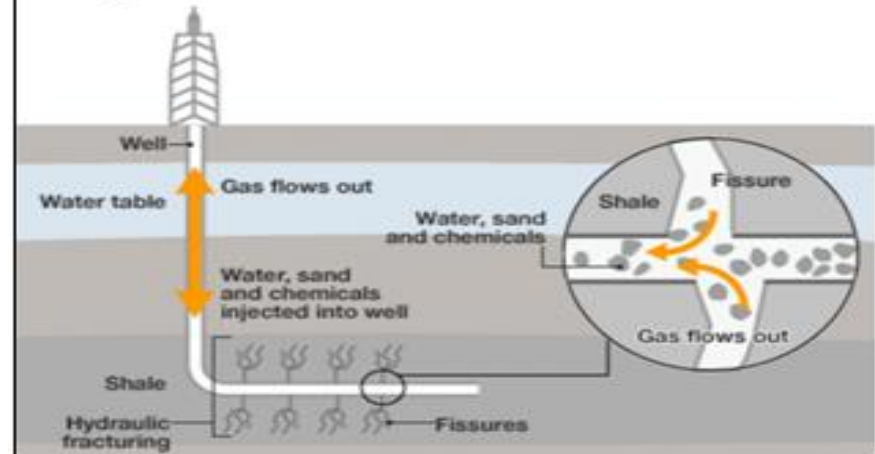


Renewable or nonrenewable

Where is this? _____ What are they mining? _____

5

Shale gas extraction



Renewable or nonrenewable

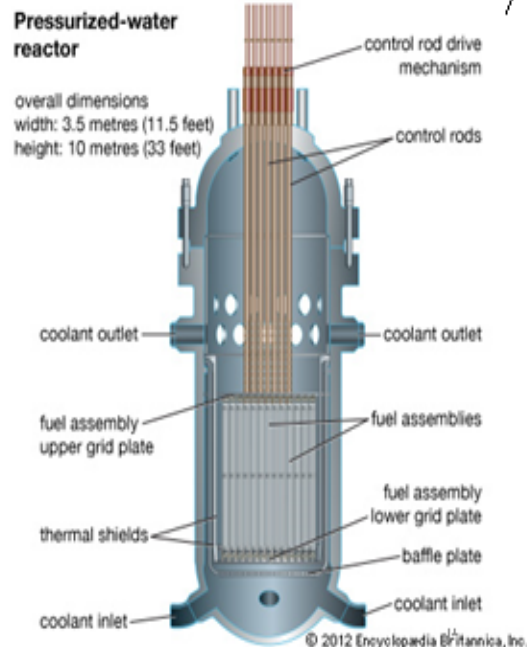
What is this called? _____

Renewable or nonrenewable

What type of power plant is this utilized in?

Does it go by any other names?

What type of energy is this?



7

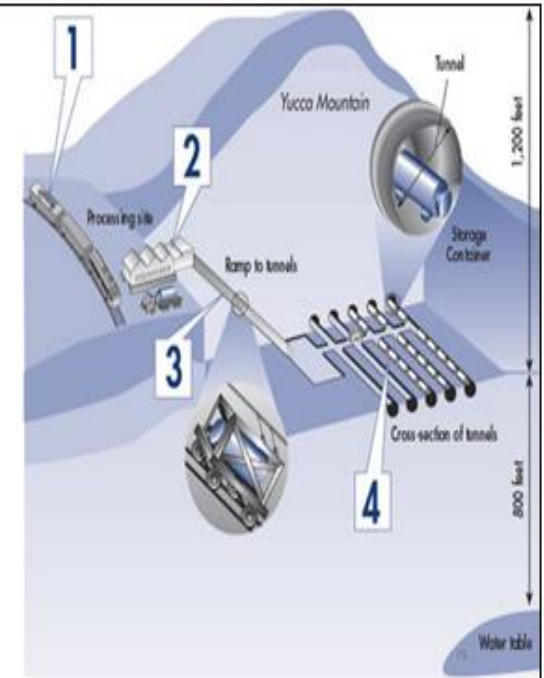
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Renewable or nonrenewable

What is Yucca Mountain used for?

What is it that the federal government is proposing storing here?

8



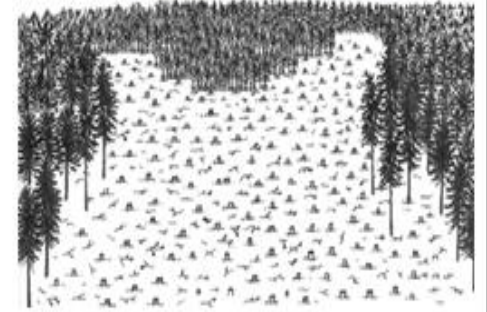


Renewable or nonrenewable

What is this? _____ Where is it? _____

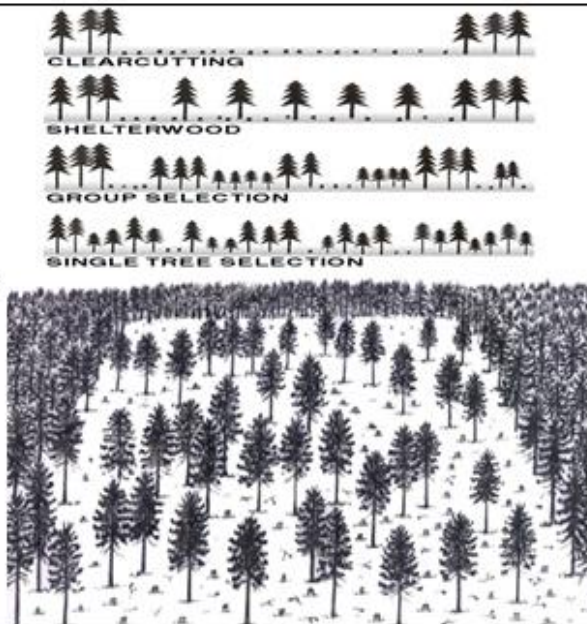
Renewable or nonrenewable?

What is this called?



Renewable or nonrenewable?

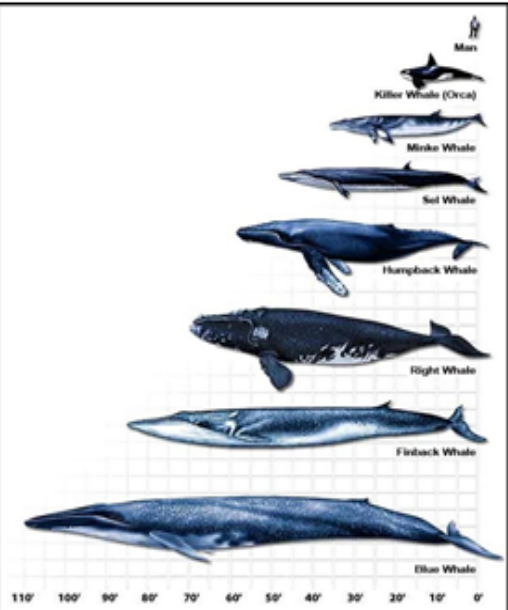
What is depicted in the below image?



Renewable or nonrenewable?

What is practice referred to as?

Who is the leading killer of whales today?



Renewable or nonrenewable?

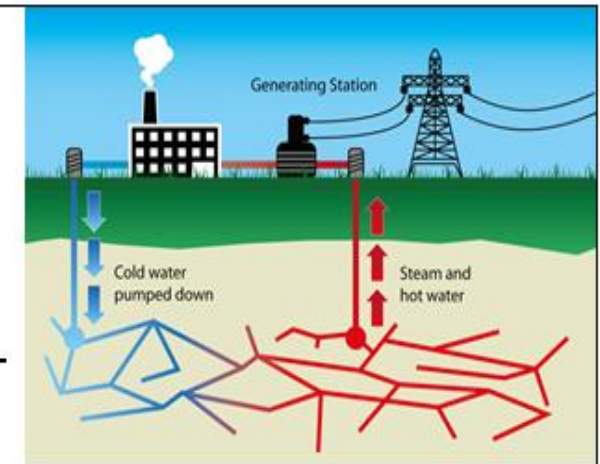
What is this natural resource referred to as?



13

Renewable or nonrenewable

What industry is depicted here?



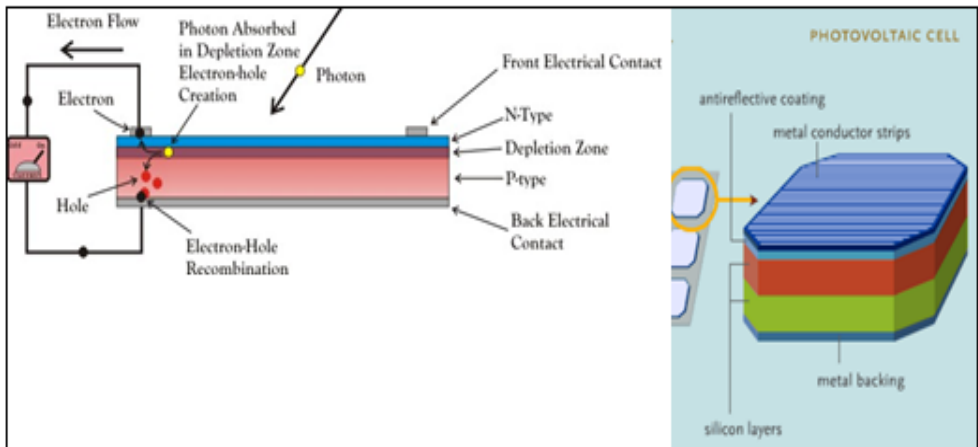
14



Renewable or nonrenewable

What are these called? _____

15



Renewable or nonrenewable

What are these used to make? _____

16

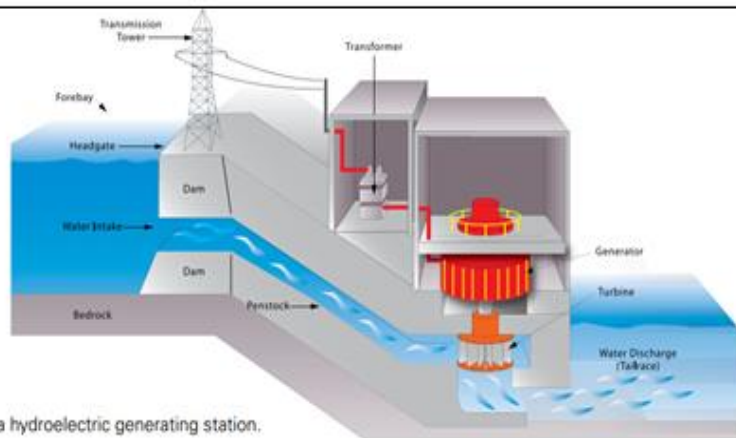


Diagram of a hydroelectric generating station.

Renewable or nonrenewable

Do these go by another name? _____

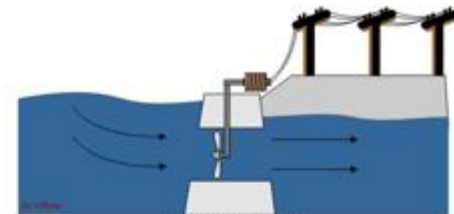


+



Renewable or nonrenewable – “the additive”

What additive product do we get from corn, that is added to gasoline? _____



TIDE COMING IN

This tidal electricity generation works as the tide comes in and again when it goes out. The turbines are driven by the power of the sea in both directions.



TIDE GOING OUT

Renewable or nonrenewable

What form of energy are we using here?

https://youtu.be/2_JSZaAgCUw