

UNIT 8 FRQ HINTS

- A. (3 POINTS POSSIBLE) Did you name coal specifically as the fossil fuel? Did you DESCRIBE how when it's burned it can be released into the air, get caught up by wind and clouds, and because of wind currents be taken miles away? Did you then talk about how as part of the water cycle, things in the air can be taken in by rain in the atmosphere and precipitation could transport that mercury to aquatic systems when it falls to the ground?
- B. (2 POINTS POSSIBLE) Did you name 2 things that actually use coal?? Did you specifically describe WHY they would reduce the mercury released in the air?
- C. (2 POINTS POSSIBLE) Did you use the words bioaccumulation and biomagnification? Did you describe how those happen and how predatory fish will be eating other fish that might contain mercury? Did you talk about how large fish are older (since they have had time to grow) and therefore have had a longer lifetime to accumulate the mercury??
- D. (3 POINTS) Did you identify an actual metal?? Lead, and arsenic are two safe bets. Did you not only say how they are used but then DESCRIBE how that use could enter the environment? In a landfill, into the air?? Did you describe a human effect of this metal??

STAPLE YOUR CORRECT FRQ TO YOUR ORIGINAL SO I CAN GIVE YOU POINTS BACK!

FRQ 2 HINTS:

A. i. If the US uses 200 million tons/yr, and there are 300 million people, how many tons/person/yr are used??

Then convert to lbs.

ii. There are 365 days in a year...

iii. If there are 140 million of the 200 million tons, what percent is the difference??

B. Read the chart, and DISCUSS **ONE** benefit of recycling.

C. We've talked about 2 types of waste disposal, pick one and describe it.

D. Describe what could be bad about that type of waste disposal. Don't forget to have an extra statement that says this is an environmental consequence because...