

Nuclear Energy DVD

Science Foundations – Landis

Name _____

1. 1 trainload of nuclear fuel can run a nuclear power plant for how long?
2. What is the **long-term** disadvantage of nuclear energy?
3. How many nuclear power plants are operating in the U.S. today?
4. What sub-atomic particle can we use to start a nuclear chain reaction?
5. In 60 years, what will be the volume of nuclear waste produced by 1 nuclear power plant?
6. What does the engineer estimate to be the amount of time that nuclear waste is dangerously radioactive?
7. Where is Yucca Mountain?
8. Why is Yucca Mountain important in the debate about nuclear waste?
9. How many miles of tunnels will there eventually be at Yucca Mountain?
10. Why is Yucca Mountain considered to be a good place to put nuclear waste?

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11. Why do some people think Yucca Mountain is NOT a good place to put nuclear waste?

12. What is the half-life of Plutonium?

13. Why can't we shoot nuclear waste into space?