

Energy Test Review Sheet

Name: Mrs. Wiley's Key

1. How does a geothermal power plant get energy?
pump heated water or steam from deep within the Earth
2. Why could hydrogen be a future fuel source?
abundant, can be burned, can be ~~burned~~^{used} in fuel cells
3. What sources of energy does a hybrid car use?
an efficient gasoline engine & an electric motor
4. Give an example of how biomass fuel is used.
Can be decomposed into methane, can be fermented into alcohol
5. What is renewable energy?
energy that can be replenished as fast as we're using it.
6. What is a benefit of wind turbines?
use little space, cost effective
7. What is the energy from fossil fuels converted into?
electricity
8. What is an advantage of nuclear energy?
no air pollution
9. What is an advantage of using fossil fuels for energy?
~~increased fuel capabilities~~ Versatility in uses
10. How is coal formed?
heat & repeated compression of plant matter by sedimentation over millions of years in swamps
11. Name a country that uses the least amount of energy per person.
Argentina
12. Why are fossil fuels not considered renewable resources?
we use them faster than they are made.
13. How can you help conserve energy at home?
Use cold water to wash clothes
14. What is the difference between energy efficiency and energy conservation?
ec- 90% of energy put into a system that does useful work.
ec- saving energy
15. How do geothermal heat pumps heat homes?
heated water/steam is pumped from the warm ground.