

Name: _____

Period: _____

Video Worksheet: HYDROGEN HOPES

1. In Germany, the narrator checked out a car that's powered by a fuel cell and runs on _____.
2. The Ford Focus that the narrator drove was not powered by a fuel cell. Its internal combustion engine was modified so that it would run on hydrogen instead of _____.
3. The two big roadblocks to replacing gasoline with hydrogen are
 - a. First, _____ting the hydrogen
 - b. Second, _____ing and _____ing the hydrogen
4. Stan and Iris Ovshinsky have developed a metal alloy that soaks up _____ the way that a sponge soaks up water.
5. The best known metal hydride is the nickel metal hydride (NiMH) in the rechargeable battery of your _____ or _____.
6. After the alloy block is broken up into chunks, it is ground into a powder. Each particle of powder contains _____ or _____ elements.
7. The secret that Stan doesn't want competitors to seeing is that inside each fuel tank is an elaborate _____ exchanger.
8. Nowhere is the dream of hydrogen's becoming the fuel of future more alive than here: _____.
9. One of the country's major tourist attractions, the Blue Lagoon, is actually the waste pond from one of a half dozen or so geothermal _____ in the country.
10. This country wants to free itself entirely from imported _____.
11. The electrolyzer is actually a reverse fuel cell stack. It produces _____ from electricity and water.
12. The _____ gets its energy from hydrogen, squeezing the hydrogen atoms until they fuse.
13. What device did the Stan Ovshinsky manage to turn on with his power panel (that had holes drilled in it)? He turned on a _____ when he put the panel on the overhead projector.
14. On the roof of the power station for the Massachusetts Institute of Technology, there was a device that was making hydrogen from sunlight by using the "everyday miracle" of _____.
15. The green stuff in the tubes is _____.
16. Evidence continues to mount that carbon dioxide from burning fossil fuels like coal is contributing to _____.
17. Does anyone ever actually drink any of that green goo? _____