Renewable Tech.

**Intro to fuel cells – “How Fuel Cells Work”**

1. Differentiate between a *battery* and a *fuel cell*.

2. When was the first fuel cell invented? By whom?

3. Most cars running on a fuel cell use cells of what type?

4. What does this mean?

5. List and briefly **explain** 3 other types of fuel cells.

6. What does PEMFC stand for?

7. What are the **four** main components of a PEMFC? **Describe** the **functions** of each of these.

8. What is the fuel cell’s **overall efficiency**? How does this *compare* to gasoline and battery power efficiency?

9. Describe some of the problems (*disadvantages*) that have prevented the mainstreaming of fuel cells to date.

10. Why are fuel cells worth the investment of making them a practical source for energy (*advantages*)?