

Unit 4 – A dream of a hydrogen economy

Answer the questions:

1. What consequences could switching from fossil fuels to hydrogen lead to? (1)
2. What were the government investments aimed at? (1)
3. When will the hydrogen economy become reality? (2)
4. Whose reports is the prediction in Q3 based on? (2)
5. What is the cheapest way today to produce hydrogen? And what are its disadvantages? (3)
6. What other ways are used to produce hydrogen? Are they successful? (4)
7. What is even a bigger challenge than hydrogen production? (5)
8. Compare the parameters of hydrogen and gasoline (5)
9. How could these problems be overcome? (5)
10. What are fuel cells and how have they been used so far? (6)
11. What obstacles do hydrogen powered cars face? (7)
12. What infrastructure would be necessary for the hydrogen economy? (8)
13. What does „a chicken-and-egg problem“ mean? (8)
14. Who is Jo Ann Milliken and what does she say about energy research? (9)
15. What are governments expected to do? (10)