

Aufgabe 1 / Task 1

WERKSTOFFE / ENGINEERING MATERIALS

Einteilung der Werkstoffe / Categorization of materials

Metallberufe / Metal Trades



INTRODUCTION TO THE CONCEPT OF ENGINEERING MATERIALS CATEGORIES

The class knows that they are going to learn about engineering materials. Make the students aware of the fact that wherever we are, we are all surrounded by engineering materials every day. Set the students the following tasks:

- 1) You have got 2 minutes time. Write down as many materials as you can think of.

After these 2 minutes are over:

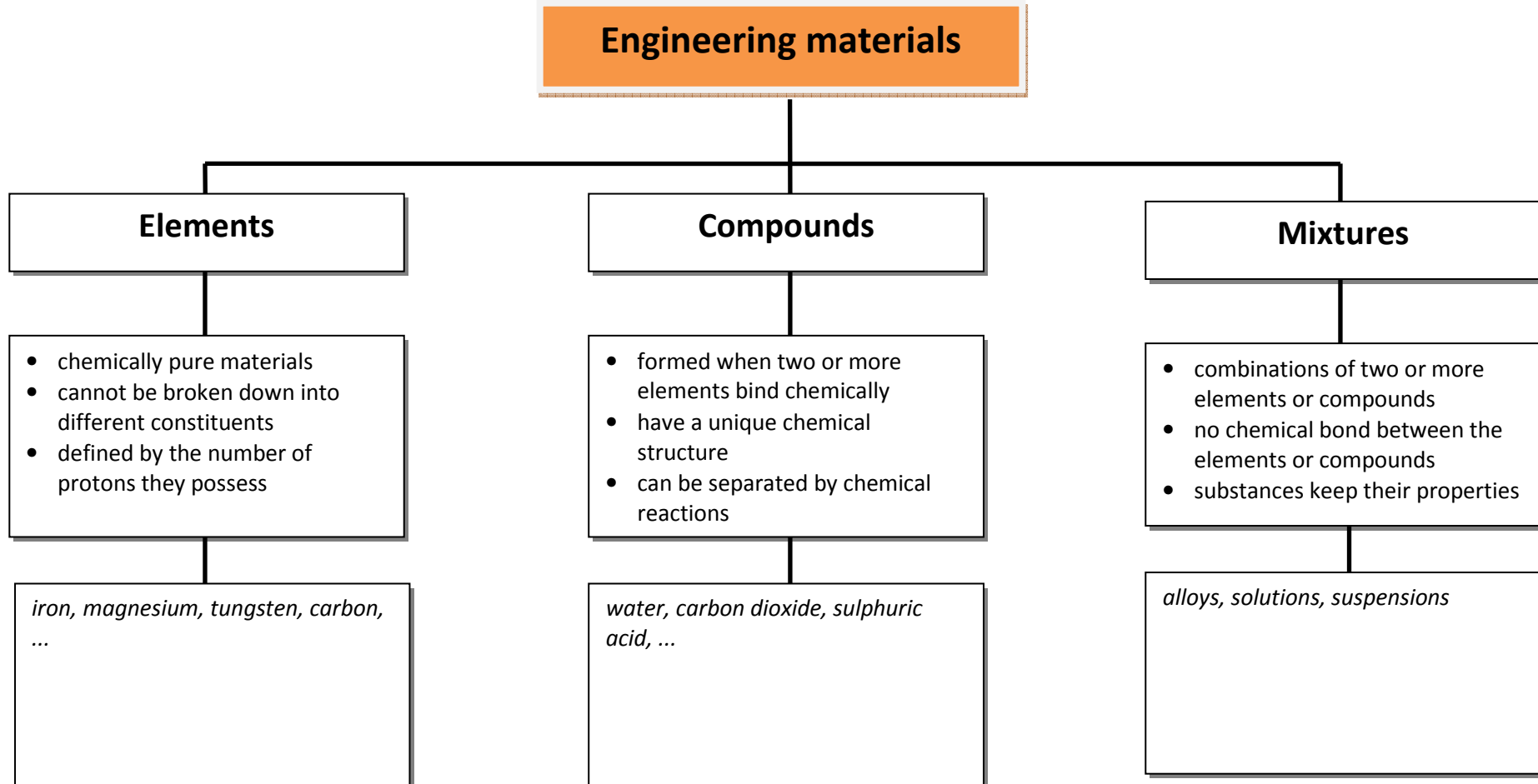
- 2) Now exchange your results with your partner.
- 3) You have got another 10 minutes time. Work together to find a way to categorize the materials you have written down. Find suitable headings for your categories.
- 4) Introduce your categories to the class.

Task for reflection:

- 5) Discuss which categorizations you like best. Give reasons for your decision.
The discussion should lead to the realization that all objects within one category share common characteristics.
- 6) Develop/Adopt an overview of engineering materials and make students reflect on the common characteristics shared by the materials in the single categories. Arrange the materials collected by the students in your grid.



POSSIBLE SOLUTION 1



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POSSIBLE SOLUTION 2

