## produced

1. Calculate the amount of nitrogen gas (mole) **produced** by this reaction.
2. The percentage of electricity **produced** by nuclear power
3. Formation is to take advantage of the updraft **produced** by the trailing vortex of the preceding
4. What is the diameter of the crater **produced** by the impact of the comet?
5. The most celebrated ice nucleating catalyst**, produced** by the microorganism
6. Typical mining wastes include acid **produced** by oxidation of naturally
7. Determine the net specific work **produced** by this engine
8. Reports are **produced** by sorting, grouping, filtering and making simple calculations on the data.
9. Two atoms of oxygen are **produced** in this equation.
10. Determine the maximum amount of work that can be **produced** in 12 liters of fuel when the air and fuel temperature are both 25°C.

## made

1. These modifications can be **made** by superimposing the wave functions.
2. A box with a closed top is to be **made** from a 6-ft by 11 - piece of cardboard by cutting
3. What do you call the entire range of alloys which can be **made** of lead and tin?
4. Another classification of body shape can be **made** depending on whether the body is streamlined
5. These cuts can be **made** to very close tolerances with no
6. A decision must be **made** about which feature classifications
7. Parts can be **made** to very close dimensions.
8. Assumptions will need to be **made** based on location and interviews
9. An open box is to be **made** from a 3ft by 8 ft. rectangular piece of metal.
10. The flow test is **made** in a water tunnel.

**I.** Look at the example sentences above. Both made and produced are used in the passive voice, but there is a conceptual difference in usage. Write the numbers of each sentence in the categories below.

|  |  |  |
| --- | --- | --- |
|  | **made** | **produced** |
| result of a process |  | **1** |
| materials |  |  |
| classifying |  |  |
| related to energy |  |  |
| changes | **1** |  |

**II.** Given what we know about the uses of ***made*** and ***produced*** which of the sentences below would you expect to read in a book? Circle yes or no.

1. The crater is *made* when the missile hits the ground. yes/no
2. The crater is *produced* when the missile hits the ground. yes/no
3. The changes are *made* by increasing the sorting program. yes/no
4. The changes are *produced* by increasing the sorting program. yes/no
5. A decision needs to be *made* about what to do. yes/no
6. A decision needs to be *produced* about what to do. yes/no
7. How much energy is *produced* by this process? yes/no
8. How much energy is *made* by this process? yes/no

1. Pollution is *produced* in many industrial processes. yes/no
2. Pollution is *made* in many industrial processes. yes/no

Total No. of Cluster Types: 343

Total No. of Cluster Words: 1233

1 122 be made

2 103 is made

3 87 made of

4 79 are made

5 53 made from

6 52 made to

7 45 made up

8 43 made by

9 37 made in

10 20 been made

Total No. of Cluster Types: 208

Total No. of Cluster Words: 465

1 86 produced by

2 31 be produced

3 27 is produced

4 26 produced in

5 17 are produced

6 6 produced during

7 5 been produced

8 5 power produced

9 5 produced a

10 5 produced at

Red = number of times

Black = rank

**III.** Based on the information above and the example sentences on the first page circle the phrases below that you think you would see in a textbook.

be *made* of an alloy

is *produced* of a metal

energy *made* at

material *made* to

 hydrogen *produced* by

changes *made* by

pollution *produced* during

the changes are *produced* to

heat *produced* in this

a decision *produced* from

**IV.** Select two cluster types for **made** and two cluster types for **produced** and write your own sentences on the lines below. Use the examples sentences on the first page to guide you.

 made

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

produced

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_