

## Intervention 8.1.4 **Natural** Vs. **SYNTHETIC** Webquest

**Task #1:** Go to the following site and answer the questions below.

[https://www.globalspec.com/learnmore/materials\\_chemicals\\_adhesives/composites\\_textiles\\_reinforcements/synthetic\\_fibers\\_fabrics\\_polymer\\_textiles](https://www.globalspec.com/learnmore/materials_chemicals_adhesives/composites_textiles_reinforcements/synthetic_fibers_fabrics_polymer_textiles)

1. List 3 advantages of synthetic fibers
  - a.
  - b.
  - c.
2. list 3 disadvantages of synthetic fibers
  - a.
  - b.
  - c.

**Task #2:** Go to the following site and answer the questions below.

<http://www.ck12.org/user%3Adxrhac1vzxitzg9llnbhcnruzjay2sxmi5vcmc./book/8th-Grade-Science-for-UT-SEEd-Standards/section/2.4/>

3. Define “all natural”
4. Define “synthetic”
5. The diamond produced in the lab costs about \_\_\_\_\_ less than the mined diamond.
6. The only difference between natural and synthetic insulin is the \_\_\_\_\_ used to make them.
7. Digitalis is a \_\_\_\_\_, made from the Foxglove flower, that is used to treat congestive heart failure
8. What natural product is plastic made from?
9. What is a downfall of plastic?
10. Give 2 examples of natural fibers.

- a.
- b.

11. Give 3 examples of human-made fabrics.

- a.
- b.
- c.

12. What natural product are the fabrics in question 11 made from?

- a.
- b.
- c.

**Task #3** Watch the following video and answer the questions below.

[https://www.youtube.com/watch?v=wioqhkDpl\\_I](https://www.youtube.com/watch?v=wioqhkDpl_I)

13. What do most people THINK **natural** means?

14. What do most people THINK **synthetic** means?

15. What does **natural** ACTUALLY mean?

16. What does **synthetic** ACTUALLY mean?

17. Is Vitamin C found in oranges the same as Vitamin C found in vitamins you can buy at the store?

18. Is it cheaper and easier to get Vitamin C from oranges or from a laboratory?

**Task #4** Read the infographic about natural vs synthetic carpet and answer the questions below. <https://dakotacounty.floorcoveringsinternational.com/blog/infographic-natural-vs-synthetic-carpet/>

19. List 2 advantages of natural carpet.

- a.
- b.

20. List 2 advantages of synthetic carpet.

- a.
- b.