

## TRS501 – Materials – Reading 1

**Answer the following questions:**

1. Which sentence explains how the researchers carried out the study (the procedure used to test the polymers)?
2. Which sentence tells us why knowing the durability and longevity of polymers matters?
3. Which sentence helps us understand that polymers may crack or break when temperatures change suddenly?
4. Which sentence describes the different levels of degradation experienced by polymers when exposed to heat?
5. Which sentence gives the main purpose of the study?
6. Which sentence shows that the researchers' findings agree with previous studies?
7. Which sentence introduces everyday uses of polymers?
8. Which sentence explains how polymers respond to temperature changes?
9. Which sentence explains how the results help determine which polymer materials are suitable for specific applications?
10. Which sentence says that the results can help predict how polymers will perform years later?

**Read the passage. Then read the statements and write T (True) or F (False). Correct the false statements.**

1. There are many molecules in each polymer.
2. Polymers are not affected by changes in temperature.
3. Medical devices are unaffected by brittle polymers.
4. Polymeric material that is not durable may cause injuries.
5. In addition to knowing the durability of polymers, scientists also need to know how long they can last without breaking down.
6. Putting polymeric materials into the oven can be a way to test their aging process.
7. This study will help predict if certain polymeric materials will be useful in the long term.
8. The results of this study are different from the results of other studies.