

BUILD A DNA LADDER

PURPOSE: To help the student better understand the way in which the DNA ladder is constructed.

MATERIALS: Ditto sheet with pattern pieces, scissors

PROCEDURE: Cut out all the pattern pieces. From these pieces construct a DNA ladder. The pieces can be found on the following two pages. Then, answer the following questions:

1. C is always joined to _____ and _____.
2. T is always joined to _____ and _____.
3. G is always joined to _____ and _____.
4. A is always joined to _____ and _____.

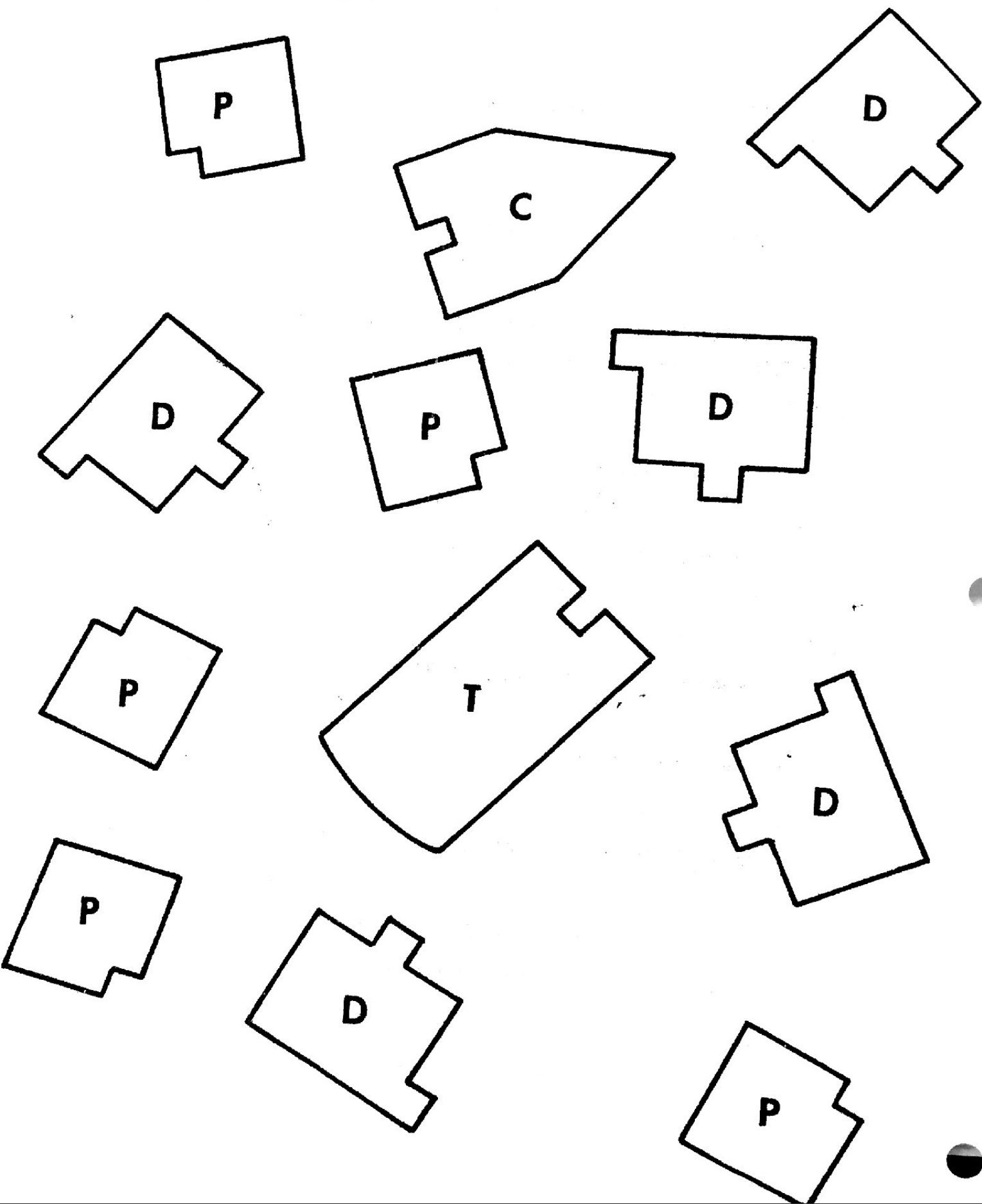
D represents a Sugar. P represents a Phosphate.

In the ladder you construct:

5. Sugars are joined to _____.
6. The rungs of the ladder are represented by which letters? _____

7. Which letters represent the sides of the ladder? _____
8. Can you explain what you have constructed? _____

PIECES FOR DNA LADDER



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