

Textiles
Review
Chapter 3

1. _____ is the weight in grams per 9,000 meters of yarn or fiber.
2. A fiber with high crystallinity and high orientation is:
 - a. Amorphous
 - b. Strong and stiff
 - c. Weak and flexible
 - d. Absorbent
 - e. Susceptible to acid degradation
3. Fibers are sold base on their _____
 - a. Strength
 - b. Color
 - c. Abrasion Resistance
 - d. Length
4. _____ is the number of small molecules connected to form a polymer.
5. _____ are short fibers.
6. _____ are long fibers.
7. _____ process of joining small molecules together to form a long chain.
8. Fibers with similar chemical compositions are placed in the same _____
9. Cross-sectional shape of a fiber affects:

10. _____ refers to waves & twists along the fiber and it increases

11. _____ polymer chains are parallel within the fiber.

12. _____ polymer chains parallel to each other & to the fiber's longitudinal axis

13. _____ polymer chains are not parallel, they are random, disorganized. This makes the fiber have what characteristics:
