

Name \_\_\_\_\_ Period \_\_\_\_\_  
Chapter 12 - Manipulation and Discovery through Science  
Study Questions and Vocabulary

## Science

1. Many teachers feel less prepared to teach \_\_\_\_\_. (Refer to page 382)
2. Learning in the area of science involves physical knowledge and \_\_\_\_\_ knowledge. (Refer to page 383)
3. What senses does observing involve? (Refer to page 384)
4. List three measuring tools for children. (Refer to page 385)
5. Children need to be provided \_\_\_\_\_ experiences to think about. (Refer to page 386)
6. What should a child be taught when he/she is eating, smelling or touching substances? (Refer to page 391)
7. Why is teaching conservation important? (Refer to page 392)
8. When teaching science to young children the teacher should make sure each child has his/her own \_\_\_\_\_. (Refer to page 393)
9. Science textbooks should be used as \_\_\_\_\_. (Refer to page 405)

### Vocabulary

10. Sciencing ((Refer to page 382)
11. Play-debrief-play (Refer to page 394)

\*\*\*Science activity ideas for 3 and 4 year olds on pages: 397, 400, and 403.\*\*\*

## Answers to Chapter 12 Study questions and Vocabulary

1. Many teachers feel less prepared to teach \_\_\_\_\_. (Refer to page 382) **\*\*Science\*\***
2. Learning in the area of science involves physical knowledge and \_\_\_\_\_ knowledge. (Refer to page 383) **\*\*Logico-mathematical \*\***
3. What senses does observing involve? (Refer to page 384) **\*\*Seeing, hearing, smelling, tasting, feeling\*\***
4. List three measuring tools for children. (Refer to page 385) **\*\*scoops, string, beaker\*\***
5. Children need to be provided \_\_\_\_\_ experiences to think about? (Refer to page 386) **\*\*Concrete\*\***
6. What should a child be taught when he/she is eating, smelling or touching substances (Refer to page 391) **\*\*To use safety cautions.\*\***
7. Why is teaching conservation important? (Refer to page 392) **\*\*To conserve the world's resources.\*\***
8. When teaching science to young children the teacher should make sure each child has his/her own \_\_\_\_\_. (Refer to page 393) **\*\*materials\*\***
9. Science textbooks should be used as \_\_\_\_\_. (Refer to page 405) **\*\*Resources\*\***

### Vocabulary

10. Sciencing ((Refer to page 382) **\*\*The active nature of science experiences.\*\***
11. Play-debrief-play (Refer to page 394) **\*\*Children investigate with materials, the teacher guides their thoughts, the child will investigate again.\*\***

**\*\*\*Science activity ideas for 3 and 4 year olds on pages: 397, 400, and 403.\*\*\***