



## Lesson 3.1 – Check for Understanding

Student Name \_\_\_\_\_ Date \_\_\_\_\_

Answer the following questions:

1. List four primary ingredients of potting media:

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2. Provide an example of an organic ingredient and explain what properties it contributes to a potting media.

3. List three goals of a good quality potting media:

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4. Why are volcanic materials used in potting media?

**Use the following formulas to calculate the volume of the containers:**

- Volume =  $L \times W \times H$
- Volume =  $\pi \times r^2 \times L$

5. Multiple choice:

A propagation flat with dimensions of 18" x 8" x 2" has the following volume:

- a. 18 in<sup>3</sup>
- b. 188 in<sup>3</sup>
- c. 288 in<sup>3</sup>

- d.  $18 \text{ ft}^3$
- e.  $18 \text{ yd}^3$

6. Multiple choice:

A tree planter that has dimensions of 2' diameter by 2' tall has a the following volume:

- a.  $6.28 \text{ in}^3$
- b.  $6.28 \text{ ft}^3$
- c.  $6.28 \text{ yd}^3$
- d.  $25.12 \text{ ft}^3$
- e.  $25.12 \text{ yd}^3$

7. Explain how to convert cubic inches to cubic yards.

8. What is the purpose of adding soil enhancements to media?

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