

ACTIVITY 4A: APPLYING THE DENSITY FORMULA — ANSWER KEY

A.

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|---------------------------|-----------------------------|----------------------------|
| 1. 25 g/ cm ³ | 2. 2.5 g/ cm ³ | 3. 6.8 g/ cm ³ |
| 4. 4.9 g/ cm ³ | 5. 15.25 g/ cm ³ | 6. 0.25 g/ cm ³ |

B.

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|--------------|--------------|-------------|
| 7. 1.4 g/ml | 8. 1.3 g/ml | 9. 2.5 g/ml |
| 10. 1.5 g/ml | 11. 0.5 g/ml | 12. 3 g/ml |

C.

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|-----------------|---------------------------------|
| 13. mass = 24 g | 14. volume = 16 cm ³ |
|-----------------|---------------------------------|
15. The density of box 2 is greater than the density of Box 1.