

**TEST NAME: PSc 1.2 Density Spring 2018**  
**TEST ID: 2181335**  
**GRADE: 09 - Ninth Grade - 12 - Twelfth Grade**  
**SUBJECT: Life and Physical Sciences**  
**TEST CATEGORY: Shared Classroom Assessments**

Student: \_\_\_\_\_

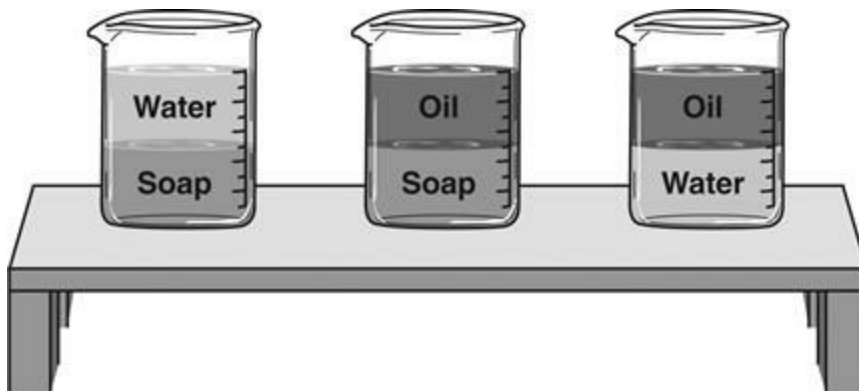
Class: \_\_\_\_\_

Date: \_\_\_\_\_

1. **An Arctic researcher determines the volume of an iceberg sample to be 100mL and the mass to be 96 g. What is the density of the sample?**

- A. 104 g/mL
- B. 96 g/mL
- C. 1.04g/mL
- D. 0.96 g/mL

2.



A Physical Science student is performing a science experiment.

**Which conclusion can be made about the density of the liquids?**

- A. Oil has the lowest density and dishwashing soap has the highest density.
  - B. Dishwashing soap has the lowest density and water has the highest density.
  - C. Dishwashing soap has the lowest density and oil has the highest.
  - D. Water has the lowest density and oil has the highest density.
3. What is the density of 180g of methanol whose volume is 600mL?
- A. 0.3 g/mL
  - B. 3.33 g/mL
  - C. 108,000 g/mL
  - D. 108 Kg/L

4. What is the volume of 244 grams of aluminium that has a density of 2.71 g/mL ?
- A. 90 mL
  - B. 90 g
  - C. 661.24 mL
  - D. 0.011 mL
5. What is the mass of a substance that has a volume 3.06 mL, and the density 17.7 g/mL ?
- A. 54.2 g
  - B. 54.2 mL
  - C. 4.91 g
  - D. 0.17 g