

Yeatman-Liddell College Preparatory Middle School

Winter Break Packet

Science

2014-2015

1. A student mixed 25 grams of salt into 1,000 grams of water.

What is the mass of the saltwater mixture?

- A 975 grams
- B 1,000 grams
- C 1,025 grams
- D 2,500 grams

2. The motion of Earth is responsible for several celestial events.

Which of the following events is caused by Earth revolving around the sun?

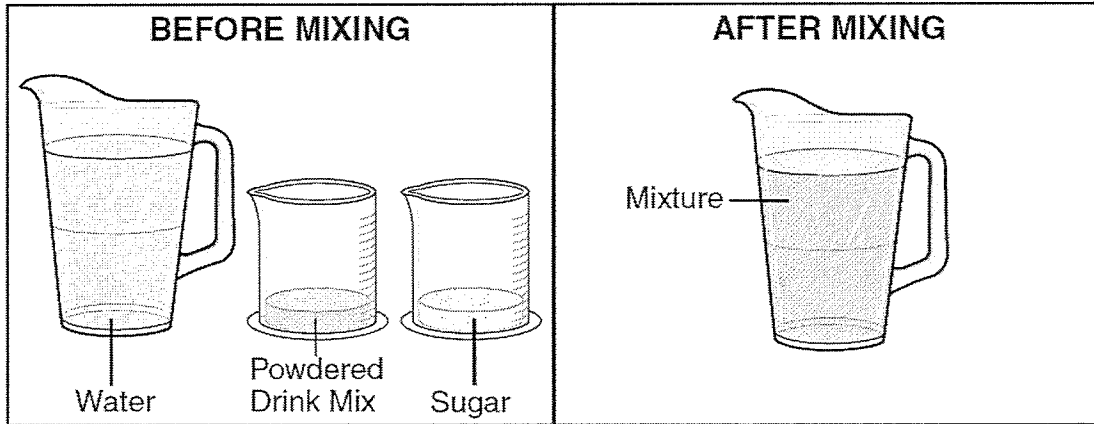
- A the days in a year
- B the hours in a day
- C the changes in the atmosphere of Earth
- D the position of the constellations in space

3. In October, the constellations Gemini and Orion appear in the sky after midnight. In January, Orion appears at sunset.

At which time will Gemini most likely appear in January?

- A at noon
- B at sunset
- C after midnight
- D before sunrise

4. A student mixes water, a powdered drink mix, and sugar to make a flavored drink.



Explain what happens when the materials are combined to make a mixture. In your explanation, be sure to include

- the properties before they are mixed
- how the properties were affected

Write your answer in the spaces provided.

Properties Before Mixing

Properties After Mixing

