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12. Most elements can exist as a solid, a liquid, and a gas, depending on the temperature and pressure.	11. A copper penny becomes dall brown over time and eventually turns to dult light green.	10. Bubbles form and a gas is given off when vinegar is added to baking soda.	9. Gold is very soft and can be hammered into thin sheets to make jewellery.	8. A spoonful of honey will pour slower than a spoonful of vegetable oil.	7. Water heated in a kettle will turn to steam at 100 °C.	6. The handle of a metal frying pan is too hot to touch.	5. Dry Christmas trees can catch fire and burn easily.	4. Sandpaper feels rough and gritty to the touch.	3. An ice cube turns into water at 0 °C.	2. Copper produces a green flame.	1. Salt dissolves in water	Identify the physical or chemical property that is described in each statement.	Use with fextbook pages 88-90.	Physical and Chemical Properties		Name Date Availation	

	Name Date Evaluating Topic 2.1.	
	Observing Chemical Reactions the with texthook pages 88-90.  Identify a visible sign that a chemical reaction has occurred in each description below.  1. A candle burns.  2. A leftover sandwich starts to rot and smell.  3. Potassium is added to a beaker of water and a fiame appears.  4. Exploding furworks produce an array of beautiful colours and loud sounds.  5. Wood is placed in a campfire. It starts to burn, and smoke and black ashes form.  6. An iron chain left outside in the rain starts to rust, resulting in a reddish-brown colour.	Observing Chemical Reactions the with texthook pages 83-90.  I. A candle burns.  2. A leftover sandwich starts to rot and smell.  3. Potassium is added to a beaker of water and a flame appears.  4. Exploding furworks produce an array of beamtiful colours and loud sounds.  5. Wood is placed in a campfire. It starts to burn, and smoke and black ashes form.  6. An iron chain left outside in the rain starts to rust, resulting in a reddish-brown colour.
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13. The strong triple band between the atoms of a mitrogen molecule is the reason why nitrogen gas is unreactive.

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10. A solution of clear reddish-orange sodium dichromate is added to a colourless solution of lead nitrate. A yellow insoluble solid forms,

 Dough is wrapped around a stick and roasted over an open fire. The bannock turns brown and is cooked all the way through.

Name Darie Literacy Strategies

## Pure Substances and Mixtures

Use with textbook pages 88-90

Use the following reading passage to answer questions I to 3.

Your alarm goes off at 7:00 a.m. and you roll out of bed. You make your way to the kitchen and pour yourself a glass of pulpy orange juice. The sour taste helps you wake up. You walk over to the cupboard and reach for your favourite granola cereal that has cranberries and nuts in it. You add some milk to your cereal and sit down to eat while trying to remember all the things you need for school. As you get up, you accidentally knock over a copper salt shaker and some table salt spills out. You quickly clean up the mess with a sponge and water.

Next, it's off to the bathroom to brush your teeth. You love the feel of a clean mouth—baking soda toothpaste and muity mouthwash does the thick! Then, you jump into the shower and scrub yourself down with a bar of soap. You quickly get dressed and put on your silver needlace and gold earnings. Next, you're off to the kitchen to make your lunch for school. You pack two slices of leftover pepperous pizza, a fruit sailad, and a can of pop. You grab your backpack and head out the door. As you leave your house, you take a deep breath of fresh air and then exhale a cloud of carbon dioxide. Off to school you go.

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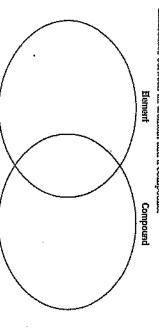
## 1. Marking the Text

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Pure substances and mixtures are all around us. Using two different colours, highlight all the pure substances and mixtures mentioned in the reading passage.

## 2. Comparing and Contrasting-Using Graphic Organizers

Comparing and contrasting helps us understand how two concepts are similar and different. Complete the Venn diagram to visually show the similarities and differences between an element and a compound.



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## 3. Identifying Concepts

In the table below, compile a list of all the pure substances and mixtures that are mentioned in the reading passage in the order that they appear. Determine whether the sample is an element, a compound, a homogeneous mixture or a heterogeneous mixture. If the sample is a mixture, identify at least two substances that make up that mixture.

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