Name	Period	Date				
Lesson 4: What is Air Pressure? Activity 4.1		Your Progress: • Mastery • Proficient				
Purpose Air pressure is an important factor in what deternstormy weather. Today you will rotate through a about air pressure.	-	DevelopingBeginning				
Word Wall Words						
Air pressure:						
Baraometer:						
Station 1: Can air crush a pop can?						
At the start of the demonstration what is inside the	he can?					
Water is heated. The water vapor takes up (more	e / less) volume than the w	rater.				
What does the water vapor do to the air inside the can?						
Water vapor is condensed into water. The water	takes up (more / less) vol	ume than the water vapor.				
Why does the can get crushed?						
Station 2: Can you pick up the paperclip? Squeeze the sides of the bottle to control the divide bottle.	ng hook. Try to pick up the p	paperclip at the bottom of				
Watch what is happening to the water level inside pressure inside the bottle affect the pressure insi		ne bottle. How does the				

Station 3: Can the air hold up the water?

1 2	e index card or Petri dish over it. Turn the cup upside down dish. Draw a diagram to show how you think the card is			
Station 4: Can we make a cloud in a bottle	?			
Watch the demonstration. Clouds that are formed present when the air pressure is ($low / high$).				
Do you think clear skies would be associated with higher or low air pressure? Why?				
Station 5: Do rising and falling air travel str	raight?			
Flip the bottles over like an hourglass. Give it	t a brief spin to get the motion started.			
What do you see happening to the water as it	t drains?			
The top bottle has (higher / lower) pressure	e than bottom bottle.			
As air moves downward or upward do you th	hink it might spin as it moves the way the water does? Why			
or why not?				
Station 6: What is a Barometer? Watch the video and draw a model showing e	each type of barometer and how they work:			
Aneroid Barometer:	Standard Barometer			