**GPS – Gas Laws review & practice quiz**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_

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| I can… |
| *Explain Boyle’s and Charles’s Law.* |



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| ***Bellwork Questions – Complete quietly on your own first!*** |
| 1. What happens to the volume of a gas if we **decrease** the temperature?
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| 1. What happens to the pressure of a gas if we **decrease** the volume?
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| ***Notes*** |
| 1. **Boyle’s Law**
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| 1. **Charles’s Law**
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| 5. Below is the practice quiz. Create an index card from your notes that you can use on the real quiz on Friday!* What is the state of matter that has rigidly arranged molecules with very little motion?
* Which state of matter would the following image represent?
* The phase change of a liquid to a gas is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* The phase change of a gas to a liquid is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* The phase change of a solid to a gas is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Burning is an example of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ change.
* Cutting a piece of paper is an example of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ change.
* On the following image, label the solid, liquid and gas.MCj03825930000[1]
* The weather gets hotter and the temperature goes up. The volume of gas in your tires also goes up. Which law (Boyle or Charles) does this show?
* According to Boyle’s Law, what will happen to the pressure of a hot air balloon if we decrease the volume?
* According to Charles’s Law, what will happen to the volume of a balloon if we put it in the freezer?
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