

Module 12 - Apologia Chemistry 2nd Ed.

Concerning Vocabulary - The other bold words in the reading assignment should still be reviewed as you're reading to make sure you are familiar with the word and to what it refers. The words below are required. Define them using the text or in your own words. (Make sure "your own words" cover the entire meaning.)

1st Reading Assignment (pgs 383 to 394, Stop at *Ideal Gases*):

- **Vocabulary** - 4 Words – **(2 columns of words!)** – Number your words

1. Pressure - (383)
2. Boyle's Law - (384) (*Pull from text*)
3. Charles' Law – (388)
4. Extrapolation - (389)

- **Rules** - 1 – Number your rules

pg 392 (1)

- **Reference Cards** – 10 – Several can be put on one card, BUT number them and put their formula # and name.

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|---|---|
| ★ 1. Formula 12.1 - pressure (pg 382); | ★ 5. Formula 12.5 - Boyle's Law (pg 384); |
| ★ 2. Formula 12.2 - atmosphere to Pascals (pg 384); | ★ 6. Formula 12.6 - alternative Boyle's Law (pg 386); |
| ★ 3. Formula 12.3 - atmosphere to torr (pg 384); | ★ 7. Formula 12.7 - Charles' Law (pg 388); |
| ★ 4. Formula 12.4 - atmosphere to mercury (pg 384); | ★ 8. Formula 12.8 - alternative Charles' Law (pg 388); |
| | ★ 9. Formula 12.9 - combined gas law (pg 391); |
| | ★ 10. Formula 12.10 - alternative combined gas law (pg 391) |
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2nd Reading Assignment (pgs 394 to 408, Start at *Ideal Gases*):

- **Vocabulary** - 4 Words - **(2 columns of words!)** – Number your words

1. Standard Temperature and Pressure (STP) - (395)
2. Dalton's Law of Partial Pressures - (395)
- 3.
4. Boiling Point - (396)
5. Vapor Pressure - (396)

- **Rules** - 5 – Number your rules

pg 394 (3); pg 396 (1); pg 397 (1)

- **Reference Cards** - 5 – Several can be put on one card, BUT number them and put their formula # and name.

- ★ 1. Formula 12.11 - Dalton's Law (pg 395);
- ★ 2. Formula 12.12 - alternative Dalton's Law (pg 399);
- ★ 3. Formula 12.13 - Dalton's Law restated (pg 400);
- ★ 4. Formula 12.14 - Ideal Gas Law (pg 403);
- ★ 5. Ideal Gas Constant (*is bolded – put as a ref card rather than a rule & put it with Ideal Gas Law – pg 403*)