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| **TEACHER:** | **STUDENT NAME:** |
| **SUBJECT:** | **CLASS ID#:** |
| **SCHOOL:** | **DATE:** |

**DAY 2, HOMEWORK HANDOUT**

**TOPIC:**

THEOLOGY SECTION

1. Come up with an objection to STA’s first way. What do you think determines who is right?
2. Determine whether we come to certainty about the following through Reason or Revelation:
   1. God is 3 distinct persons but one God aka the Trinity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Gravity is something that affects all things on Earth \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. Why the universe was created \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. The Eucharist is the Body and Blood of Jesus \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. The sun is made of Hydrogen \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SCIENCE SECTION

1. KINETIC THEORY OF GASES, REGARDING THE MODEL OF A GAS.



* 1. THE AVERAGE KINETIC ENERGY (MOTION) OF THE ATOMS / MOLECULES OF A GAS IS DIRECTLY PROPORTIONAL TO THE KELVIN TEMPERATURE OF THE GAS.

What would happen if the motion of the atoms of the gas increases? How do you know this to be true? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. THE ATOMS / MOLECULES OF A GAS ARE IN CONSTANT RANDOM MOTION, COLLIDING WITH THE WALLS OF THE CONTAINER THAT HOLDS THE GAS. THESE COLLISIONS WITH THE WALLS CAUSE THE PRESSURE EXERTED BY THE GAS.

If the motion of the atoms of the gas increases, this will cause the collisions to be more frequent and more intense. Do you expect the pressure in the container to increase or decrease? Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_