

## SCIENCE QUIZ PART-2

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**Question:** The horizontal rows in a periodic table are called...?

- 1. ☐ Groups
- 2. ☐ Lanthanides
- 3. ☒ Periods
- 4. ☐ Atomic Structures

**Correct Answer**

**Question:** The first element in the modern periodic table is...?

- 1. ☒ Hydrogen
- 2. ☐ Lithium
- 3. ☐ Oxygen
- 4. ☐ Helium

**Correct Answer**

**Question:** With which metal does oxygen combine to form rust?

- 1. ☒ Iron
- 2. ☐ Platinum
- 3. ☐ Gold
- 4. ☐ Silver

**Correct Answer**

**Oxygen combines with iron to form rust.**

**Question:** Rust on iron is basically...?

- 1. ☒ An oxide
- 2. ☐ A nitride
- 3. ☐ A chloride
- 4. ☐ A sulphide

**Correct Answer**

**Question:** Which of the following metals is often found in the pure state?

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- ☐ 1. Iron
- ☐ 2. Aluminum
- ☒ 3. Gold
- ☐ 4. Magnesium

### Correct Answer

Gold is often found in the pure state.

**Question:** Which of the following does not belong to this group?

- ☐ 1. Iron
- ☐ 2. Sodium
- ☒ 3. Oxygen
- ☐ 4. Lead

### Correct Answer

Oxygen is a non-metal (gas) whereas iron, sodium, and lead are metals.

**Question:** Fill in the missing word: \_\_\_\_\_ + oxygen = Magnesium oxide

- ☐ 1. Carbon
- ☐ 2. Metal
- ☒ 3. Magnesium
- ☐ 4. Manganese

### Correct Answer

The reaction of magnesium with oxygen produces magnesium oxide

**Question:** Stainless steel is a an alloy of \_\_\_\_\_, \_\_\_\_\_, chromium, and nickel.

- ☐ 1. Copper, zinc
- ☐ 2. Aluminum, tin
- ☒ 3. Iron, carbon
- ☐ 4. Lead, magnesium

### Correct Answer

Stainless steel is a mixture (alloy) of iron, carbon, chromium, and nickel. Carbon gives hardness to the mixture. Chromium and nickel give a silvery look to the mixture.

**Question:** Which of the following is a pure substance made up of two or more types of atoms or elements?

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- 1. ☐ A mixture
- 2. ☐ An element
- 3. ☒ A compound
- 4. ☐ An atom

### Correct Answer

A compound is defined as a pure substance made up of two or more types of elements (atoms) chemically combined in a fixed proportion, and it can be further subdivided into simpler substances by chemical means only.

**Question:** Fill in the missing word: Acid + \_\_\_\_\_ = Salt + Water

- 1. ☐ Metal
- 2. ☐ Non Metal
- 3. ☒ Base
- 4. ☐ Oxygen

### Correct Answer

**Question:** A pH below 7 indicates...?

- 1. ☐ Alkalinity
- 2. ☐ Presence of ions
- 3. ☐ Purity of the sample
- 4. ☒ Acidity

### Correct Answer

A pH scale reading less than 7 indicates acidity.

**Question:** Which of the following gases is green in color?

- 1. ☒ Chlorine
- 2. ☐ Hydrogen
- 3. ☐ Krypton
- 4. ☐ Neon

### Correct Answer

Chlorine gas is green in color.

**Question:** What is the combination of any substance with oxygen known as?

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- ☐ 1. Combustion
- ☐ 2. Reduction
- ☐ 3. Hydrogenation
- ☒ 4. Oxidation

### Correct Answer

The combination of any substance with oxygen is known as oxidation.

**Question:** The 'fizz' in soft drinks is caused by...?

- ☐ 1. Helium
- ☒ 2. Carbon dioxide
- ☐ 3. Nitrogen
- ☐ 4. Hydrogen

### Correct Answer

The 'fizz' in soft drinks is caused by Carbon dioxide.

**Question:** The lead of a pencil mainly contains...?

- ☐ 1. Carbon black
- ☐ 2. Plastics
- ☐ 3. Lead
- ☒ 4. Graphite

### Correct Answer

**Question:** Watt is the unit of...?

- ☐ 1. Electric Current
- ☒ 2. Power
- ☐ 3. Work
- ☐ 4. Electric Charge

**Question:** Kelvin is the unit of...?

- ☒ 1. Temperature
- ☐ 2. Energy

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- 3. ☐ Heat
- 4. ☐ Work

### Correct Answer

**Question:** Tesla is the unit of...?

- 1. ☐ Magnetomotive Force
- 2. ☒ Magnetic Flux Density
- 3. ☐ Magnetic Field Intensity
- 4. ☐ Magnetic Flu

**Question:** Siemens is the unit of...?

- 1. ☐ Electrical Field Strength
- 2. ☒ Electrical Conductivity
- 3. ☐ Electromagnetic Inductance
- 4. ☐ Electrical Resistance

### Correct Answer

**Question:** Ampere is the unit of...?

- 1. ☐ Electric Energy
- 2. ☐ Electric Charge
- 3. ☒ Electrical Current
- 4. ☐ Electromotive Force

### Correct Answer

**Question:** Farad is the unit of...?

- 1. ☐ Magnetic Flux
- 2. ☒ Electrical Capacitance
- 3. ☐ Electrical Conductivity

**Question:** Joule is the unit of...?

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- ☐ Power
- ☒ Energy
- ☐ Temperature
- ☐ Impulse

**Question:** Lux is the unit of...?

- ☐ Luminous Intensity
- ☐ Focus
- ☐ Luminous Flux
- ☐ Illumination

**Correct Answer**

**Question:** Newton is the unit of...?

- ☐ Heat
- ☒ Force
- ☐ Work
- ☐ Power

**Question:** Pascal is the unit of...?

- ☐ Density
- ☐ Focus
- ☐ Power
- ☒ Pressure

**Correct Answer**

**Question:** Driving right along, what is the instrument used to measure distance in a car called?

- ☐ Speedometer
- ☒ Odometer
- ☐ Differential pinion
- ☐ Thermometer

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### Correct Answer

The odometer measures the distance the car has driven by measuring the magnetic field the rear transmission creates while spinning. In layman's terms, the faster the car goes, the more distance you travel and the stronger the magnetic field. Therefore, the odometer will spin faster indicating that your car has gone a farther distance. This will ultimately decrease the value of the car. Economics, it's a science stronger than Physics.

**Question:** What was the lowest internal body temperature ever recorded in a human being who went on to survive?

- 1. ☒ 69 F
- 2. ☐ 47 F
- 3. ☐ 30 F
- 4. ☐ 53 F

### Correct Answer

The poor boy was revived after having his internal temperature fall well below room temperature! Ideally our internal temperatures should be up in the high 90s.

**Question:** Pure water freezes at what temperature?

- 1. ☐ 47 F
- 2. ☐ 32 F
- 3. ☐ 0 F
- 4. ☐ 19 F

### Correct Answer

That is, given normal atmospheric pressure at sea level.

**Question:** Nitrogen constitutes what percentage of the atmosphere?

- 1. ☒ 79%
- 2. ☐ 42%
- 3. ☐ 56%
- 4. ☐ 18%

**Question:** Which of the following is not a constituent of the atmosphere?

- 1. ☐ Oxygen
- 2. ☐ Carbon Dioxide
- 3. ☒ Aluminum

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4. ☐ Nitrogen

**Question:** What is the name given to the respiratory holes on the surface of a leaf?

1. ☐ Chlorophyll  
2. ☒ Stomata  
3. ☐ Tendrils  
4. ☐ Pits

**Question:** Which gas in the atmosphere saves us from the UV rays of the sun?

1. ☐ Nitrogen  
2. ☐ Ozone  
3. ☐ Oxygen  
4. ☐ Carbon Monoxide

**Question:** Who invented the miner's safety-lamp?

1. ☒ Sir Humphrey Davy  
2. ☐ Sir Frank Whittle  
3. ☐ Alexander Graham Bell  
4. ☐ Thomas Alva Edison

**Question:** Which planet is known as the Red Planet?

1. ☐ Mercury  
2. ☒ Mars  
3. ☐ Earth  
4. ☐ Jupiter

**Question:** Who discovered the circulation of blood?

1. ☒ William Harvey  
2. ☐ Louis Pasteur  
3. ☐ Hargobind Khorana  
4. ☐ Edward Jenner



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**Question:** Who discovered Penicillin?

1. ☐ Robert Koch
2. ☒ Sir Alexander Fleming
3. ☐ Watson and Crick
4. ☐ Louis Pasteur