

American History

Government

Science

Math

Geography

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a G. Ernest Project



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**Look here in next
weeks bulletin for
more
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announcements.**

Quick Questions

1. What does GNP stand for?
2. What is the Federal Reserve?
3. What is the longest river in the United States?
4. When was the Declaration of Independence signed by most of the Congress?
5. How many companies make up the Dow Jones?

Answers provided below

**Who? Why?
What? Page 2**

**For the little ones
Page 3**

**Words to practice
Page 6**

Quick Question Answers:

- Question 1. Gross National Product
Question 2. The Central Bank of the U.S.
Question 3. The Mississippi River
Question 4. August 2, 1776
Question 5. 30

Who? What? Why?

Who? Why? What?

In our lives we have heard the phrase, "stop asking dumb questions." The G. Ernest Project feels if questions weren't asked there wouldn't be any answers. Take a look at the following questions and hopefully you can provide the answers. If not, look at the answers in the next column.

1. Why is the sky blue?
2. Why does water freeze?
3. Who is Albert Einstein?
4. What is gravity?
5. Who is Madam Curie?
6. Who is Thomas Edison?
7. What is DNA?
8. What is the difference between analog and digital?
9. What are bacteria?
10. What is H₂O?

THE ANSWERS

1. Blue light gets scattered (spread) around much more than all the other colors from the sun, causing the sky to appear blue. This phenomenon is caused by the wavelength of the color blue.
2. Freezing water is an example of a phase transition -- a change in the physical properties of a substance when the temperature or pressure is changed. Phase transitions are often accompanied by either the absorption or release of thermal energy.
3. Physicist who formulated the special theory of relativity and the general theory of relativity (1879-1955)
4. Physics - The natural force of attraction exerted by a celestial body, such as Earth, upon objects at or near its surface, tending to draw them toward the center of the body.
5. Polish-born French chemist. She shared a 1903 Nobel Prize with her husband, Pierre Curie (1859-1906), and Henri Becquerel for fundamental research on radioactivity. In 1911 she won a second Nobel Prize for her discovery and study of radium and polonium.
6. American inventor (1847-1931)
7. A nucleic acid that carries the genetic information in the cell and is capable of self-replication and synthesis of RNA.
8. Analog - (electronics) of a circuit or device having an output that is proportional to the input; "analogue device"; "linear amplifier", Digital - (electronics) of a circuit or device that represents magnitudes in digits; "digital computer"
9. Single-celled or noncellular spherical or spiral or rod-shaped organisms lacking chlorophyll that reproduces by fission. The smallest of microscopic organisms, often considered plants.
10. (Water) A clear, colorless, odorless, and tasteless liquid, essential for most plant and animal life and the most widely used of all solvents. Freezing point 0°C (32°F); boiling point 100°C (212°F);

For The Little Ones

Days of the Week

Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday

Months of the Year

January	February	March
April	May	June
July	August	September
October	November	December

Have your little one answer the following questions.

How many days are in a week? _____

How many months are in a year? _____

What month were you born in? _____

What day of the week is it? _____

What month has the fewest letters? _____

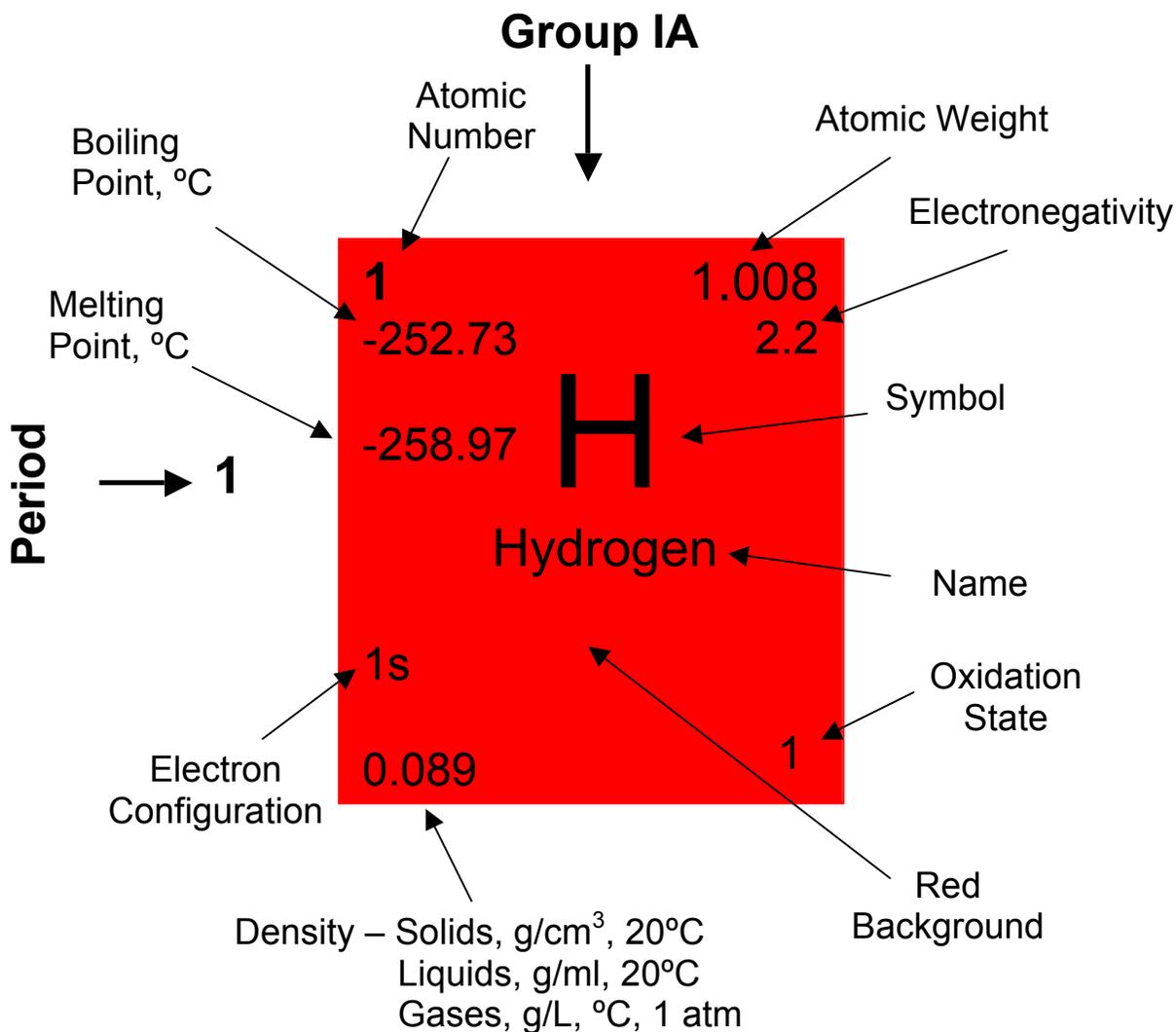
What month has the most letters? _____

What day of the week has the most letters? _____

What days of the week have the fewest letters? _____

Understanding Numbers

PERIODIC TABLE of the ELEMENTS



Background Color

White: Solids

Blue: Liquids

Red: Gases

Yellow: Artificially Prepared

*See page 5 for
additional information
and a brief quiz.*

Understanding Numbers

Periodic Table	A tabular arrangement of the elements according to their atomic numbers so that elements with similar properties are in the same column.
Atomic Number	The number of protons in an atomic nucleus.
Atomic Weight	The average mass of an atom of an element, usually expressed relative to the mass of carbon 12, which is assigned 12 atomic mass units.
Boiling Point	The temperature at which a liquid boils at a fixed pressure, especially under standard atmospheric conditions.
Melting Point	The temperature at which a solid becomes a liquid at standard atmospheric pressure.
Period	A sequence of elements arranged in order of increasing atomic number and forming one of the horizontal rows in the periodic table.

Quiz:

(Look at the diagram on Page 4 to find the answers)

1. What is the name of the element shown in the diagram? _____
2. What is the symbol for the element Hydrogen? _____
3. What is the atomic weight of Hydrogen? _____
4. What is the melting point of Hydrogen? _____
5. What is the boiling point of Hydrogen? _____
6. Is the element Hydrogen a liquid, a gas, a solid or artificially prepared.

Bonus Question:

7. Is Hydrogen in our atmosphere? _____

Words to Practice

ALLOY
CELL
COMPASS
DOMAIN
ENERGY
GAUSS
HYDROGEN
HELIUM
INSULATOR
IONS
ISOTOPE
LATITUDE
ORGANIC

PENDULUM
RADAR
RELAY
SENSOR
SHIELDING
SOLENOID
VAPOR
VECTOR

INSTRUCTIONS:

Find your dictionary and look up the definition for the words. This exercise will help you increase your vocabulary and give you insight about science and technology terminology.