**Science Basics**

1. Which one of the following is a nocturnal animal?

[X] bat

[ ] crow

[ ] flea

[ ] sparrow

2. Which of the following is the hottest planet?

[ ] Mercury

[ ] Mars

[X] Venus

[ ] Uranus

3. Who was the first American to orbit the earth?

[X] John Glenn

[ ] Jim Lovell

[ ] Neil Armstrong

[ ] Buzz Aldrin

4. A honey bee getting nectar or pollen from a flower is an example of which type of association?

[ ] parasitism

[ ] scavenger and its food

[X] mutualism

[ ] commensalism

5. The North Star is which one of the following?

[ ] Rigal

[ ] Alpha Centauri

[ ] Orion

[X] Polaris

6. The standard unit of measurement used for measuring force is which of the following?

[X] Newton

[ ] Kilogram

[ ] Watt

[ ] Mile

7. The only planet that has a day longer than its year is ...

[ ] Pluto

[X] Venus

[ ] Jupiter

[ ] Uranus

8. The naturalist responsible for "The Theory of Evolution by Natural Selection" is which one of the following?

[ ] Isaac Newton

[ ] Albert Einstein

[X] Charles Darwin

[ ] Johannes Kepler

9. All land-dwelling living things depend upon which of the following as the initial source of energy?

[X] sunlight

[ ] chlorophyll

[ ] producers

[ ] green plants

10. What is the name of the igneous rock that is light enough to float?

[X] pumice

[ ] basalt

[ ] obsidian

[ ] granite

**Science Basics 2**

1. What do herpetologists study?

Herpes

Blood

Insects

Reptiles and amphibians X

2. Which of these is a virus?

Staphylococcus

Leukemia

Scoliosis

Chicken pox X

3. Among these elements, which one has the highest atomic mass?

Helium

Sodium

Uranium X

Copper

4. Which one of these is NOT a mineral?

Quartz

Lithium X

Diamond

Calcite

5. Which of these has the longest wave length?

Radio waves X

Visible light

X-rays

Infrared

6. What is the pH of pure water?

0

1

7 X

273.15

7. What is the function of mitochondria in the cell?

To generate energy X

To process waste

To kill viruses or other antigens

To repair damage

8. How old is the Earth approximately?

50,000 years

300 million years

4.5 billion years X

no one knows

9. What is Andromeda?

The nearest major galaxy to the Milky Way X

A bacteria that can cause death

An array of radio telescopes

An element of the Periodic Table

10. How many pairs of chromosomes are in the genome of a typical person?

1

23 X

88

72

Basic Chemistry

1.

Brass gets discoloured in air because of the presence of which of the following gases in air?

A. Oxygen

XB. Hydrogen sulphide

C. Carbon dioxide

D. Nitrogen

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2.

Which of the following is a non metal that remains liquid at room temperature?

A. Phosphorous

XB. Bromine

C. Chlorine

D. Helium

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3.

Chlorophyll is a naturally occurring chelate compound in which central metal is

A. copper

XB. magnesium

C. iron

D. calcium

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4.

Which of the following is used in pencils?

XA. Graphite

B. Silicon

C. Charcoal

D. Phosphorous

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5.

Which of the following metals forms an amalgam with other metals?

A. Tin

XB. Mercury

C. Lead

D. Zinc

6.

Chemical formula for water is

A. NaAlO2

XB. H2O

C. Al2O3

D. CaSiO3

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7.

The gas usually filled in the electric bulb is

XA. nitrogen

B. hydrogen

C. carbon dioxide

D. oxygen

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8.

Washing soda is the common name for

XA. Sodium carbonate

B. Calcium bicarbonate

C. Sodium bicarbonate

D. Calcium carbonate

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9.

Quartz crystals normally used in quartz clocks etc. is chemically

XA. silicon dioxide

B. germanium oxide

C. a mixture of germanium oxide and silicon dioxide

D. sodium silicate

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10.

Which of the gas is not known as green house gas?

A. Methane

B. Nitrous oxide

C. Carbon dioxide

XD. Hydrogen

Technology 1

Which company created the most used networking software in the 1980's

A. Microsoft

B. Sun

C. IBM

XD. Novell

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2.

Which of the following operating systems is produced by IBM?

XA. OS-2

B. Windows

C. DOS

D. UNIX

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3.

Which of the following is NOT a type of expansion slot or bus design used in Advanced-Technology class systems?

A. PCMCIA

B. ISA

XC. PROM

D. EISA

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4.

What is a GPU?

A. Grouped Processing Unit

XB. Graphics Processing Unit

C. Graphical Performance Utility

D. Graphical Portable Unit

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5.

What does DOCSIS stand for?

XA. Data Over Cable Service Interface Specification

B. Data Over Cable Security Internet Std

C. Data Over Cable Secure International Stds

D. Data Over Cable Service Internet Standard

6.

Which one of the following is a search engine?

A. Macromedia Flash

XB. Google

C. Netscape

D. Librarians� Index to the Internet

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7.

Which is the best search tool for finding Web sites that have been handpicked and recommended by someone else?

XA. Subject directories

B. Search engines

C. Meta-search engines

D. Discussion groups

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8.

What is LCP?

A. Local Connection Protocol

B. Lost Connection Problem

XC. Link Control Protocol

D. Laggy Connection Problem

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9.

What is VCM?

A. Virtual Connection Manager

XB. Virtual Channel Memory

C. Voice Controlled Modem

D. Voice Communications Module

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10.

What does the abbreviation "http" stand for?

XA. Hypertext Transfer Protocol

B. High Task Termination Procedure

C. Harvard Teletext Proof

D. Hindustan Times Technical Proffesionals

Technology 2

1. Who is known as the inventor of the telephone?

a. Charles Babbage

b. Alexander Bain

Xc. Alexander Graham Bell

d. Steve Jobs

2. What is Tesla Motors, an American automotive company, known for

producing?

a. Motorcycles

b. Hover Boards

c. Tractor Trailers

Xd. Electric Cars

3. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is not a component of a laptop computer.

a. processor

b. keyboard

c. hard drive

Xd. scanner

4. Technology has changed the way we play games. Select the correct

order in which the following game consoles were created, from oldest to

newest.

a. Xbox, PlayStation®, Nintendo Entertainment System

Xb. Nintendo Entertainment System, PlayStation®, Xbox

c. PlayStation, Nintendo Entertainment System, Xbox

d. Nintendo Entertainment System, Xbox, PlayStation®

5. What telescope did NASA launch in 1990 to help scientists learn more

about our solar system?

Xa. Hubble Space Telescope

b. International Space Telescope

c. Refracting Telescope

d. Reversing Telescope

6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the most commonly used web browser in the United

States today.

a. Microsoft Internet Explorer

b. Opera

c. Mozilla Firefox

Xd. Google Chrome

7. Technology has brought us several beloved video game characters.

Which of the following is not a Nintendo® game character?

a. Mario

b. Donkey Kong

c. Princess Peach

Xd. Sonic the Hedgehog™

8. Which company created the iPad®?

a. HP®

Xb. Apple®

c. Sony

d. Acer

9. In Internet terminology, what does the phrase “the cloud” refer to? (Hint:

Dropbox, Google Drive and Apple iCloud are examples)

a. Software upgrade package

b. Anti-virus program

Xc. Software and services that run on the Internet

d. None of the above

10. Select the correct order in which the following inventions were created,

from oldest to newest.

a. telephone, telegraph, radio

b. radio, telegraph, telephone

c. telegraph, radio, telephone

Xd. telegraph, telephone, radio