



Biology

Name:

1. Which part of	the eye refracts light?			
A: Retina	B: Lens	C: Cornea	D: Pupil	
2. What is the fu	nction of a cell's nucleus	?		
A: Create and fold proteins from amino acid		B: Synthesise lipid	B: Synthesise lipids	
C: Destroy cell waste and debris		D: Store genetic n cell activities	D: Store genetic material and control cell activities	
	nave coloured stripes wh llow stripes do they have	_	to predators.	
A: 2	B: 3	C: 4	D: 5	
4. What percent	age of DNA is shared bet	ween dogs and human	s?	
A: 34%	B: 64%	C: 84%	D: 94%	
5. Which of the f	following animals has 3 h	earts?		
A: Octopus	B: Lizard	C: Flamingo	D: Lamb	
6. How tall is the	e tallest living tree?			
A: 76m	B: 116m	C: 156m	D: 206m	
7. Which bird ha	s the largest wingspan?			
A: Golden Eagle		B: Wandering Alba	B: Wandering Albatross	
C: California Condor		D: Great White Pe	D: Great White Pelican	
	s 4 main components: Pla at percentage of the hum		•	
A: 35%	B: 55%	C: 75%	D: 95%	
9. What do worn	ns use to breathe?			
A: Skin	B: Tracheae	C: Gills	D: Lungs	





Physics

Name:

1. Who discovered gr	avity?		
A: Albert Einstein	B: Ernest Rutherford	C: Robert Millikan	D: Isaac Newton
2. Which of the follow	ving metals is the best c	onductor of electricity	/?
A: Copper	B: Silver	C: Gold	D: Aluminium
3. What type of energ	y is stored in a stretche	d string?	
A: Kinetic	B: Elastic	C: Chemical	D: Gravitational Potential
4. How long does it to	ake for moonlight to read	ch the earth?	
A: 0.4 seconds	B: 1.3 seconds	C: 2.2 seconds	D: 3.1 seconds
5. Which of the follow	ving is a primary colour o	of light?	
A: Violet	B: Yellow	C: Green	D: Orange
6. When large stars in What is this called	n our galaxy die, their co ?	re collapses, resultinç	g in a giant explosion.
A: Planetary Nebula	B: Supernova	C: Red Giant	D: White Dwarf
7. When cooled, most this not true?	t materials will contract.	For which of the follo	owing materials is
A: Graphite	B: Water	C: Diamond	D: Gold
8. Which of the follow	ving about x-ray scans is	s <u>not</u> true?	
A: lodine can be injected	ed into a blood vessel to h	ighlight the kidneys and	d bladder
B: X-rays are a form of	radiation like light or radio	waves	
C: Different parts of the	body absorb x-rays in va	rying degrees	
D: Some radiation rema	ains in a patient's body aft	er an x-ray examination	¹ /
9. What temperature	is the coldest spot in the	e known universe in d	egrees celcius?
A: -303.15	B: -270.15	C: -263.15	D: -240.15



Chemistry

Name:

1. What is the chem	ical name of the acid in	vinegar?		
A: Ethanoic Acid	B: Methanoic Acid	C: Propanoic Acid	D: Butanoic Acid	
2. Proteins are mac	romolecules made from	small subunits. What a	are these called?	
A: Glycerol	B: Amino Acid	C: Glucose	D: Chitin	
3. What gas causes	the bubbles in fizzy drin	ks?		
A: Nitrogen	B: Oxygen	C: Hydrogen	D: Carbon Dioxide	
4. At approximately	what temperature does	glass melt at (in degre	ees Celsius)?	
A: 200 – 400	B: 500 – 700	C: 900 – 1100	D: 1400 – 1600	
	ure of metals or a mixtur brass made from?	e of a metal and anoth	er element.	
A: Copper and Tin		B: Copper and Zinc		
C: Copper and Chromium		D: Copper and Iron		
6. Graphene is the s What element is i	trongest lightest materia	al on Earth.		
A: Sodium	B: Titanium	C: Carbon	D: Silicon	
7. What chemical co	ompound is responsible	for Mars' red colour?		
A: Copper Oxide	B: Lead Oxide	C: Iron Oxide	D: Barium Sulphate	
8. What is the chem	ical name for aspirin?			
A: Allyl Hexanoate		B: Napthalenemetha	nol	
C: Benzyl Benzoate	Benzyl Benzoate D: Acetylsalicylic Acid		d	
9. Air can be compre What colour is thi	essed and cooled to pro	duce liquid oxygen.		
A: Pale Blue	B: Light Grey	C: Dark Green	D: Faint yellow	





Biology

Which part of the eye refracts light?	Cornea
What is the function of a cell's nucleus?	Store genetic material and control cell activities
How many yellow stripes do bumblebees have?	2
What percentage of DNA is shared between dogs	
and humans?	84%
Which of the following animals has 3 hearts?	Octopus
How tall is the tallest living tree?	116m
Which bird has the largest wingspan?	Wandering Albatross
What percentage of the human blood is liquid, by volume?	55%
What do worms use to breathe?	Skin

Chemistry

What is the chemical name of the acid in vinegar?	Ethanoic acid
What are the subunits of proteins?	Amino acids
What gas causes the bubbles in fizzy drinks?	Carbon Dioxide
At approximately what temperature does glass melt	
(in degrees Celsius)?	1400-1600
What 2 metals is brass made from?	Copper and Zinc
What element is Graphene made from?	Carbon
What chemical compound is responsible for Mars' red	
colour?	Iron oxide
What is the chemical name for aspirin?	Acetylsalicylic acid
Air can be compressed and cooled to produce liquid	
oxygen. What colour is this?	Pale blue

Physics

Who discovered gravity?	Isaac Newton
Which of the following metals is the best conductor	
of electricity?	Silver
What type of energy is stored in a stretched string?	Elastic
How long does it take for moonlight to reach the earth?	1.3 seconds
Which of the following is a primary colour of light?	Green
When large stars in our galaxy die, their core collapses,	
resulting in a giant explosion. What is this called?	Supernova
When cooled, most materials will contract. For which	
material is this not true?	Water /
Which of the following about x-ray scans is not true?	Some radiation remains in
	a patient's body after an
	x-ray examination
What temperature is the coldest spot in the known	
universe in degrees celcius?	_270.15 °C /