

Kinds of Scientists

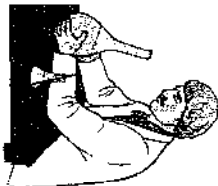
Name _____
Block _____

Date _____

Science is a broad field which includes many areas of learning. A person working in any of those areas may be called a 'scientist', and may also be referred to by a more specific title.

YOUR task, as a budding scientist, is to write the letter of the correct term for each scientist in the space provided to the left of the explanations given.

- 1) Studies weather and makes forecasts
- 2) Studies plant life
- 3) Studies animal life
- 4) Studies insects
- 5) Studies reptiles and amphibians
- 6) Studies man's physical character, distribution, origin, and culture
- 7) Studies plant micro-organisms
- 8) Studies diseases, their nature and causes
- 9) Studies the history of the earth as recorded in rocks
- 10) Studies field crop production and soil management
- 11) Studies the relationship between organisms and their environment
- 12) Studies fish
- 13) Studies birds
- 14) Studies inanimate matter and motion (mechanics, heat, electricity, etc.)
- 15) Studies remains of past human life such as fossils, artifacts, and monuments.



- a - ichthyologist
b - agronomist
c - herpetologist
d - entomologist
e - meteorologist
f - archaeologist
g - physicist
h - ecologist
i - geologist
j - botanist
k - zoologist
l - bacteriologist
m - pathologist
n - ornithologist
o - anthropologist

Some Branches of Science

Branch of Science	Is the Study of
1. biology	A. diseases
2. cardiology	B. the environment
3. toxicology	C. blood
4. pathology	D. matter and energy
5. optics	E. space
6. physics	F. life
7. ecology	G. poisons
8. hematology	H. how elements and compounds combine and behave
9. chemistry	I. earthquakes
10. ichthyology	J. the universe
11. geodynamics	K. weather
12. pneumology	L. the Earth
13. geology	M. animals
14. zoology	N. the lungs
15. dynamics	O. the heart
16. seismology	P. how objects move
17. cosmology	Q. how chemicals affect living things
18. biochemistry	R. forces within the Earth
19. meteorology	S. light energy
20. astronomy	T. fish

Process Skills and Their Definitions

Process skills	Definitions
___ 1. Observing	a) using notes, tables, graphs, sketches, reports, or mind maps to record data
___ 2. Classifying	b) stating an explanation that results from an observation
___ 3. Estimating	c) planning and carrying out a series of activities that help solve a problem or find an answer to a question
___ 4. Measuring	d) watching or examining carefully by using your five senses
___ 5. Predicting	e) employing an object, a design, or an idea that helps you understand something that cannot be observed directly
___ 6. Making inferences	f) roughly determining the measurement or nature of something
___ 7. Stating a hypothesis	g) grouping together objects or living things according to the ways they are alike
___ 8. Doing experiments	h) using observations made in the past to describe what you think might happen
___ 9. Using models	i) examining carefully the information obtained from experiments
___ 10. Recording information	j) giving exact information about characteristics such as height, length, weight, or temperature
___ 11. Analysing data	k) putting ideas and information together so that they can be discussed
___ 12. Organizing data	l) giving a possible explanation of how something happens in nature