

Unit 2- frequency

Frequency is the expression of repetition. It refers to events that occur more often than once and less often than always. Frequency is, of course, related to measurement and consequently you will meet certain expressions already seen in Unit 1 for a second time.

Self evaluation – entry test

- *Fill in the blanks using appropriate expressions. The first two letters of the answer are printed.*

Example:

*The batteries must be recharged **tw** a month. (two times)*

*→ The batteries must be recharged **twice** a month.*

1. Under stress, the heart **be** faster. (*pulsates*)
2. Over the past 100,000 years, the polar ice sheets have advanced or retreated depending on periodic **sw** in the climate. (*variations, oscillations*)
3. The famous 19th century millionaire, Carnegie, emigrated to the US from Scotland and began work in a factory for \$1.20 **pe** week. (*each*)
4. There will be a **re** of epidemics as soon as natural immunisation dies out. (*they will happen again, repeated incidence*)
5. The Ebola virus produces a mortality **ra** which can be as high as 88% in human beings. (*a measure of frequency*)
6. Over the past 300 years, the average height of Europeans has increased **st** (*regularly*)
7. The world population is growing fast. A new child is born **ev** 60 seconds. (*each minute*)
8. The **se** of earthquakes that struck Missouri in 1811 were among the most powerful ever experienced in the United States. (*succession, repeated incidents*)
9. It is estimated that the **ho** flow of water of the Amazon river is between 12,000 and 44,000 million litres. (*every 60 minutes*)
10. The strength of a steel alloy depends on the **ra** of iron to carbon. (*mathematical relationship of proportion*)

Answers

Entry test

1. beats
2. swings
3. per
4. recurrence
5. rate
6. steadily
7. every
8. series
9. hourly
10. ratio

■ **ADJECTIVES – Supply the missing words.**

6. Gases consist of molecules that are in fast motion.
7. Glaciers are formed by a process of sublimation and recrystallisation.
8. The climate during the Pleistocene period was responsible for the extinction of many species.
9. The "Spirit of St Louis" made the first transatlantic flight in 1927.
10. Pulsars emit short bursts of radiation about once per second.

- a. recurrent
- b. fluctuating
- c. periodic
- d. random
- e. non-stop

■ **NOUNS**

11. The depth of the sea can be measured by echo-sounding techniques consisting of acoustic
12. Coconuts grow on trees in of 10 or 20.
13. Its high strength-to-weight makes aluminium useful in the construction of aircraft.
14. The fermented liquid which contains between 7 and 12% ethanol is concentrated to 95% by a of distillations.
15. Antibiotics came into use in the 1950s and have totally changed the of disease and death.

- f. pattern
- g. series
- h. clusters
- i. pulses
- j. ratio

■ **VERBS**

16. The electric current from standard generators in direction.
17. The radio beam more strongly in this part of the moon which suggests that there may be underground ice.
18. The speed at which the pendulum depends on its length.
19. At this stage, the organism itself and combines several genes producing immunoglobulins.
20. Yellow fever is a disease that never ; one attack provides immunity for life.

- k. echoes
- l. swings
- m. recurs
- n. reorganises
- o. alternates

Answers

6. / d ▪ 7. / c, a ▪ 8. / b ▪ 9. / e ▪
10. / a
11. / i ▪ 12. / h ▪ 13. / j ▪ 14. / g ▪ 15. / f
16. / o ▪ 17. / k ▪ 18. / l ▪ 19. / n ▪
20. / m