NORTHWEST TERRITORIES EARTH SCIENCES 11 · FINAL EXAM · 50 QUESTIONS

Final Exam — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **As the early solar nebula collapsed, gravity pulled material toward the centre and the cloud began to**

- A spin faster and flatten
- B stop moving
- C cool into solid ice
- D expand forever

Understand It with Pulse | Flag a mistake

2 **Most of Earth surface water is found in the**

- A lakes
- B rivers
- C glaciers
- D oceans

Understand It with Pulse | Flag a mistake

3 **A rock is best described as a solid made of one or more**

- A gases
- B minerals
- C liquids
- D metals only

Understand It with Pulse | Flag a mistake

4 **Relative dating compares the ages of rock layers without giving an exact age in**

- A periods
- B years
- C eras
- D centuries

Understand It with Pulse | Flag a mistake

5 **The outer planets are mainly made of**

A hydrogen and helium gases

B ice

C rock and metal

D solid iron

Understand It with Pulse | Flag a mistake

6 **Precipitation returns water from the atmosphere to Earth surface as rain, snow, sleet, or**

A hail

B steam

C wind

D fog only

Understand It with Pulse | Flag a mistake

7 **Talc is the softest mineral on the Mohs scale, with a hardness of**

A 6

B 3

C 1

D 10

Understand It with Pulse | Flag a mistake

8 **An index fossil is useful for dating rock layers because it lived for a short time and was**

A very large

B land based only

C widespread

D rare

Understand It with Pulse | Flag a mistake

9 **In the early solar system, the Sun formed at the centre while planets formed from the**

A outer edge of space

B gas escaping the Sun

C remains of old stars only

D surrounding disk of material

Understand It with Pulse | Flag a mistake

10 **An aquifer is a layer of rock or sediment that can store and transmit**

A oil only

B natural gas only

C groundwater

D solid ice

Understand It with Pulse | Flag a mistake

11 **Basalt is an extrusive igneous rock because it cooled quickly**

- A under great pressure
- B in a glacier
- C deep underground
- D at the surface

Understand It with Pulse | Flag a mistake

12 **The fossil record shows that life on Earth has changed over geologic**

- A seasons
- B centuries only
- C days
- D time

Understand It with Pulse | Flag a mistake

13 **The leading idea for the origin of the Moon is a giant impact between early Earth and a**

- A Mars sized body
- B dwarf planet
- C gas giant
- D passing comet

Understand It with Pulse | Flag a mistake

14 **Weather describes short term atmospheric conditions, while climate describes the long term**

- A average pattern
- B daily forecast
- C single storm
- D ocean tide

Understand It with Pulse | Flag a mistake

15 **Limestone often forms in shallow seas from the remains of marine**

A glaciers

B organisms

C volcanoes

D desert sand

Understand It with Pulse | Flag a mistake

16 **The Precambrian covers most of Earth history, from its formation until about 541 million years**

A after the dinosaurs

B ago

C from now

D before the Moon

Understand It with Pulse | Flag a mistake

17 **Seasons on Earth are mainly caused by the**

A tilt of Earth axis

B distance from the Sun

C speed of rotation

D phases of the Moon

Understand It with Pulse | Flag a mistake

18 **Air masses form over a large area with fairly uniform temperature and**

A cloud height

B pressure only

C moisture

D wind speed

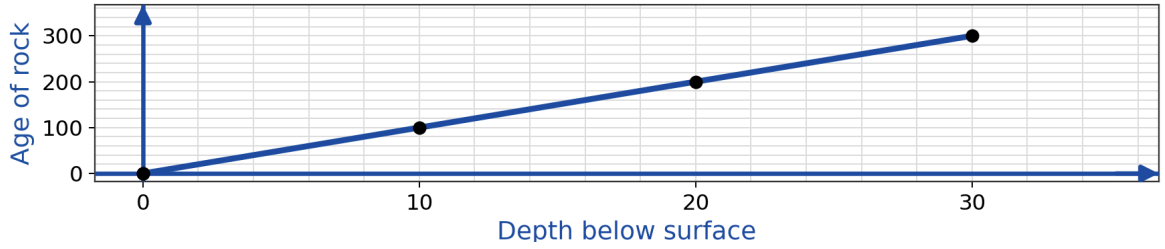
Understand It with Pulse | Flag a mistake

19 **In the rock cycle, melting of rock produces**

- **A** magma
- **B** soil
- **C** sediment
- **D** coal

Understand It with Pulse | Flag a mistake

20 **The graph shows age of rock against depth below the surface. Age at depth 30, in graph units, is _____**



ANSWER _____

Understand It with Pulse | Flag a mistake

21 **The asteroid belt lies mainly between the orbits of**

A Earth and Mars

B Saturn and Uranus

C Venus and Earth

D Mars and Jupiter

Understand It with Pulse | Flag a mistake

22 **Ocean currents move heat around the planet and so affect the climate of**

A mountain peaks only

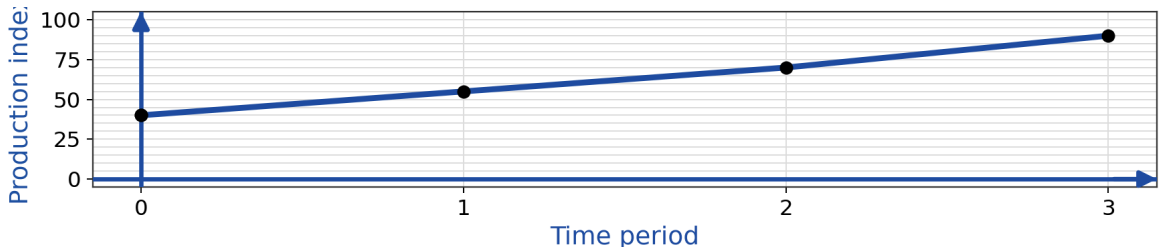
B inland lakes only

C coastal regions

D deserts only

Understand It with Pulse | Flag a mistake

23 **The graph shows a mineral production index over time. The index in the final year shown is**



ANSWER

Understand It with Pulse | Flag a mistake

24 **Fossil fuels are nonrenewable because they form far more slowly than they are**

A transported

B found

C used

D stored

Understand It with Pulse | Flag a mistake

25 **Earth lies in the habitable zone, where temperatures allow water to exist mainly as a**

A solid only

B gas only

C plasma

D liquid

Understand It with Pulse | Flag a mistake

26 **Glaciers store a large share of Earth fresh water as**

A vapour

B ice

C liquid lakes

D groundwater

Understand It with Pulse | Flag a mistake

27 **Mining can harm the environment through habitat loss and water pollution, so mined land should be**

A flooded

B reclaimed

C paved over

D abandoned

Understand It with Pulse | Flag a mistake

28 **Using renewable energy sources such as wind and solar power can reduce reliance on**

A geothermal power

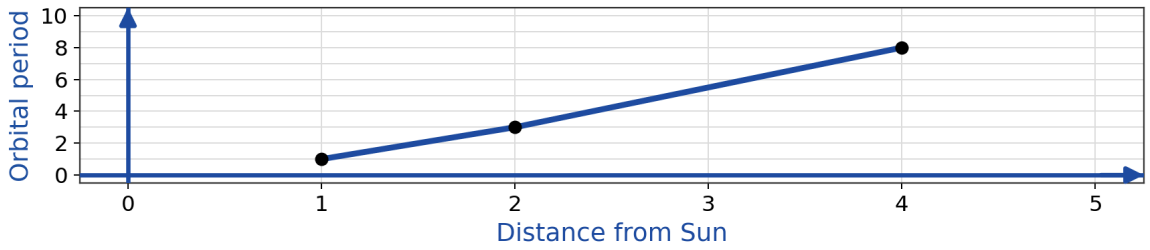
B fossil fuels

C recycling

D hydroelectric power

Understand It with Pulse | Flag a mistake

29 **The graph shows orbital period against distance from the Sun. The orbital period at distance 4, in graph units, is _____**



ANSWER _____

Understand It with Pulse | Flag a mistake

30 **In the hydrosphere, geosphere, and atmosphere system, rivers erode rock and carry sediment to the**

A core

B ocean

C polar ice only

D upper atmosphere

Understand It with Pulse | Flag a mistake

31 **Cleavage describes how a mineral breaks along smooth, flat**

A colours

B edges only

C curves

D planes

Understand It with Pulse | Flag a mistake

32 **Original horizontality states that sediment is usually deposited in horizontal**

A crystals

B volcanoes

C mounds

D layers

Understand It with Pulse | Flag a mistake

33 **Which planet is a gas giant**

A Saturn

B Earth

C Mercury

D Mars

Understand It with Pulse | Flag a mistake

34 **Runoff is water that flows over the land surface into streams, lakes, or the**

A deep crust

B upper atmosphere

C ocean

D water table only

Understand It with Pulse | Flag a mistake

35 **A mineral streak test is useful because streak colour is usually more consistent than**

A crystal shape

B density

C hardness

D surface colour

Understand It with Pulse | Flag a mistake

36 **After two half lives, about one quarter of the original parent isotope**

A turns to magma

B disappears fully

C doubles

D remains

Understand It with Pulse | Flag a mistake

37 **Saturn rings are made mainly of**

A liquid water

B gas clouds

C ice particles

D solid rock slabs

Understand It with Pulse | Flag a mistake

38 **Relative humidity describes how full the air is of water vapour compared with the maximum it can hold at**

A sea level

B midnight

C that temperature

D noon

Understand It with Pulse | Flag a mistake

39 **Shale is a fine grained sedimentary rock formed from compacted**

A mud

B gravel

C sand

D magma

Understand It with Pulse | Flag a mistake

40 **A cast fossil forms when sediment fills a mould left by an**

A organism

B earthquake

C volcano

D river

Understand It with Pulse | Flag a mistake

41 **The inner planets are mainly made of**

A rock and metal

B ice only

C liquid helium

D hydrogen gas

Understand It with Pulse | Flag a mistake

42 **Low pressure systems are usually linked with rising air and a higher chance of**

A drought

B clouds and precipitation

C clear skies

D calm winds

Understand It with Pulse | Flag a mistake

43 **On the schematic map, which region shows the highest mineral resource level, marked 3**

A Atlantic

B British Columbia

C Ontario

D Prairies

Understand It with Pulse | Flag a mistake

44 **Geothermal energy uses heat from inside Earth to generate electricity or heat**

A volcanoes only

B buildings

C oceans

D glaciers

Understand It with Pulse | Flag a mistake

45 **Earth magnetic field helps protect life by deflecting much of the harmful charged particles from the**

A deep ocean

B asteroid belt

C Moon

D Sun

Understand It with Pulse | Flag a mistake

46 **On the schematic map, the highlighted central region of Canada is**

A North

B Prairies

C Atlantic

D British Columbia

Understand It with Pulse | Flag a mistake

47 **Frost wedging breaks rock when water in cracks freezes and**

A dissolves

B evaporates

C expands

D contracts

Understand It with Pulse | Flag a mistake

48 **Resource extraction should be planned with environmental protection so that ecosystems are not needlessly**

A ignored

B studied

C damaged

D flooded

Understand It with Pulse | Flag a mistake

49 **Evidence that the solar system formed from one rotating cloud includes the fact that planets mostly orbit**

A around different stars

B in random directions

C in the same direction

D in straight lines

Understand It with Pulse | Flag a mistake

50 **Wetlands help control flooding by storing water and releasing it**

A as steam

B all at once

C slowly

D as ice

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. D
3. B
4. B
5. A
6. A
7. C
8. C
9. D
10. C
11. D
12. D
13. A
14. A
15. B
16. B
17. A
18. C
19. A
20. 300
21. D
22. C
23. 90
24. C
25. D
26. B
27. B
28. B
29. 8
30. B
31. D
32. D
33. A
34. C
35. D
36. D
37. C
38. C
39. A
40. A
41. A
42. B
43. B
44. B
45. D
46. B
47. C
48. C
49. C
50. C

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