

1. Which picture shows desurbanisation best?

- ☐ A a)
- ☐ B b)
- ☐ C c)
- ☐ D d)



2. Where is 0°N 0°W?

- ☐ A North Pole
- ☐ B Equator Pacific
- ☐ C Equator Atlantic
- ☐ D South Pole

3. What is meant by the term „green revolution“?

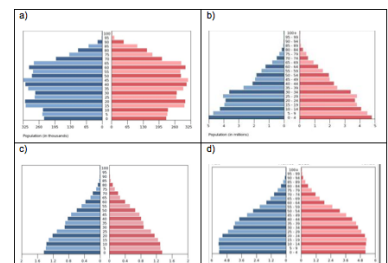
- ☐ A ecological movement
- ☐ B agricultural innovations
- ☐ C political movement in arab countries
- ☐ D discovery of biofuels

4. What is meant by the abbreviation HDI?

- ☐ A human development index
- ☐ B heavily destroying industry
- ☐ C humidity-drought interference
- ☐ D hole depth indicator

5. Which population pyramid fits Sweden best?

- ☐ A a)
- ☐ B b)
- ☐ C c)
- ☐ D d)



**6. Which process doesn't lead to a crucial warming within the Earth (interior)?**

- ☐ A Impacts of meteorites
- ☐ B Supernovas
- ☐ C Compression of tare weight
- ☐ D Decay of atoms

**7. Which of the following seismic wave is the fastest?**

- ☐ A P-wave
- ☐ B S-wave
- ☐ C Rayleigh-wave
- ☐ D Love-wave

**8. How many observations stations one need at least to locate the epicentre of an earthquake?**

- ☐ A two
- ☐ B three
- ☐ C four
- ☐ D five

**9. A tropical cyclone develops...**

- ☐ A over land
- ☐ B over water
- ☐ C at the equator
- ☐ D also in Switzerland

**10. Which month in Switzerland would be affected the most by an ultraplinian volcanic eruption?**

- ☐ A March
- ☐ B June
- ☐ C October
- ☐ D December

**11. Which one of the following volcanic ejecta is not pyroclastic material?**

- ☐ A ash
- ☐ B lava bombs
- ☐ C pillow lava
- ☐ D lapilli

**12. When two oceanic plates converge a(n) ... is formed.**

- ☐ A island arc with a deep-sea trench
- ☐ B lofty mountain range with a width of over 400 kilometer
- ☐ C mid-ocean ridge
- ☐ D the magnetic field of the Earth

**13. In geology the lithosphere is a part that...**

- ☐ A belongs to the Earth's crust only
- ☐ B belongs to the Earth's crust and earth's mantle
- ☐ C belongs to the Earth's mantle only
- ☐ D to a minor degree belongs to the Earth's core

**14. The oceanic crust...**

- ☐ A often consists of gneiss
- ☐ B often consists of granite
- ☐ C is thicker than the continental crust
- ☐ D is denser than the continental crust

**15. Which of the following statements about the Earth's water cycle is true?**

- ☐ A The amount of evaporation is bigger than the runoff.
- ☐ B The amount of runoff is bigger than evaporation.
- ☐ C The amount of runoff is bigger than precipitation.
- ☐ D The amount of runoff and precipitation is even.

**16. Which of the following statements is false?**

- ☐ A Over 96% of the global water volume is saltwater.
- ☐ B Most of the fresh water is located in the Antarctic.
- ☐ C Approximately one percent of the water exists as groundwater.
- ☐ D Worldwide, surface water is a bigger part of fresh water than groundwater.

**17. Which factor affects the water footprint of an average Swiss citizen the most?**

- ☐ A bathing (bathtub, pool, public swimming baths)
- ☐ B meat consumption
- ☐ C use of the washing mashine
- ☐ D leaky pipes and letting the water run while brushing teeth

**18. Why does it rain more often in Switzerland than in Belgium?**

- ☐ A because Switzerland has a much bigger area
- ☐ B because Switzerland is closer to the sea
- ☐ C because Switzerland is further south
- ☐ D because Switzerland is higher in altitude

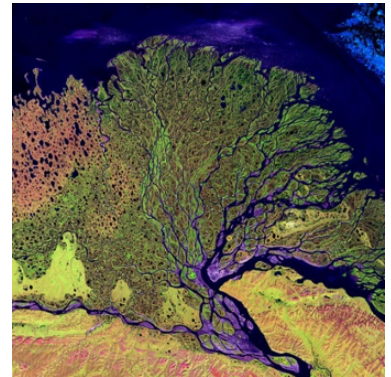
**19. The following sedimentation is typical for...**

- ☐ A a glacier
- ☐ B a lake
- ☐ C a torrent
- ☐ D a river in middle course



**20. What is shown in the picture?**

- ☐ A a V-shaped valley
- ☐ B a delta
- ☐ C a catchment area of a river
- ☐ D the groundwater quantity



**21. A hurricane often has...**

- ☐ A a nose
- ☐ B an eye
- ☐ C an ear
- ☐ D a foot

**22. The ... is a high cloud.**

- ☐ A nimbostratus
- ☐ B cumulonimbus
- ☐ C altocumulus
- ☐ D cirrostratus

**23. The ... is a rain cloud.**

- ☐ A cirrus
- ☐ B nimbostratus
- ☐ C cirrostratus
- ☐ D stratocumulus

**24. What is the most common gas in the atmosphere?**

- ☐ A O<sub>2</sub>
- ☐ B H<sub>2</sub>O
- ☐ C N<sub>2</sub>
- ☐ D CO<sub>2</sub>

**25. When it is spring in the northern hemisphere, it is ... in the southern hemisphere.**

- ☐ A spring
- ☐ B summer
- ☐ C autumn
- ☐ D winter

**26. What is the ITC(Z) not?**

- ☐ A a low pressure trough in the tropics
- ☐ B an area where winds converge
- ☐ C an area with a lot of precipitation
- ☐ D a semi-desert-like area

**27. Why do the tourists on the island Sylt turn their beach chairs away from the sea?**

- ☐ A because of the katabatic wind
- ☐ B because of the offshore wind
- ☐ C because of the onshore wind
- ☐ D because of the upcast wind

**28. When two fronts merge it is called...**

- ☐ A a frontal aggregation
- ☐ B a cold front
- ☐ C an occlusion
- ☐ D warm front

**29. How many °C is it approximately warmer on Earth because of the anthropogenic greenhouse effect?**

- ☐ A 1 °C
- ☐ B 4 °C
- ☐ C 15 °C
- ☐ D 33 °C

**30. Which is the most important greenhouse gas of the natural greenhouse effect?**

- ☐ A CH<sub>4</sub>
- ☐ B H<sub>2</sub>O
- ☐ C N<sub>2</sub>O
- ☐ D C<sub>2</sub>H<sub>6</sub>O

**31. Which of the following is not a cause for the anthropogenic greenhouse effect?**

- ☐ A population growth
- ☐ B combustion of fossil fuels
- ☐ C deforestation
- ☐ D hunger in the world

**32. Where is the global warming going to be the most severe?**

- ☐ A here in europe
- ☐ B nere the equator
- ☐ C in the polar regions
- ☐ D it can not be estimated yet

**33. The altitude of the sun is the same in autumn as in...**

- ☐ A spring
- ☐ B summer
- ☐ C late spring and early summer
- ☐ D winter

**34. When is the sun closest to Switzerland?**

- ☐ A in January
- ☐ B in December
- ☐ C in July
- ☐ D in June

**35. Why is it colder in the polar regions than in Switzerland?**

- ☐ A because the polar regions are further away from the sun
- ☐ B because of the heavy glaciation and the oceanic currents
- ☐ C because the sun's rays arrive at a less steep angle
- ☐ D because of the polar night

**36. How big is the angle of the axial tilt?**

- ☐ A ca.  $17\frac{3}{4}^{\circ}$
- ☐ B ca.  $23\frac{1}{2}^{\circ}$
- ☐ C ca.  $27^{\circ}$
- ☐ D ca.  $27\frac{1}{2}^{\circ}$

**37. When is it most likely to rain in the tropical part of the Sahara?**

- ☐ A in January
- ☐ B in April
- ☐ C in July
- ☐ D in October

**38. What does the word "subsistence economy" mean?**

- ☐ A an african restaurant
- ☐ B a suboptimal economic system
- ☐ C illegal economy
- ☐ D self-support

**39. Another word for biodiversity is...**

- ☐ A bio fuel
- ☐ B biologist
- ☐ C ethnic group
- ☐ D variety of species

**40. Braindrain is a(n) ... characteristic.**

- ☐ A economic
- ☐ B ecological
- ☐ C demographic
- ☐ D social