

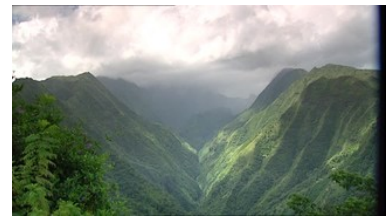
1. What is the name of this landform?

- ☒ A Drumlin
- ☐ B Lateral moraine
- ☐ C Glacially abraded rock knob
- ☐ D Pressure dome



2. The valley in the picture below was formed by:

- ☐ A glacier
- ☒ B river
- ☐ C a lava flow
- ☐ D a rift valley



3. In which countries is the homeland of the native people shown in the picture below found?

- ☐ A Russia, Estonia, Sweden, Norway
- ☐ B Finland, Sweden, Norway, Denmark
- ☐ C Estonia, Latvia, Lithuania, Russia
- ☒ D Sweden, Norway, Finland, Russia



4. What does Taiga mean?

- ☐ A Name of a climate zone
- ☒ B Name of a vegetation zone
- ☐ C Name of a desert type
- ☐ D The name of a specific weather pattern

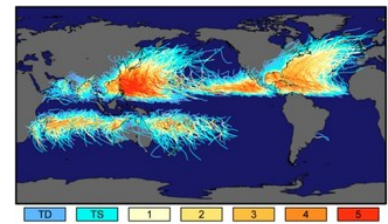
5. What does the map show?

- ☐ A a) All third world countries
- ☒ B b) Least Developed Countries
- ☐ C c) Countries with a HDI below 0.7
- ☐ D d) Landlocked Developing Countries



6. What does the map show?

- ☒ A Distribution of tropical cyclones
- ☐ B Distribution of tornados
- ☐ C Pattern of the Intertropical convergence zone
- ☐ D Most important trade routes



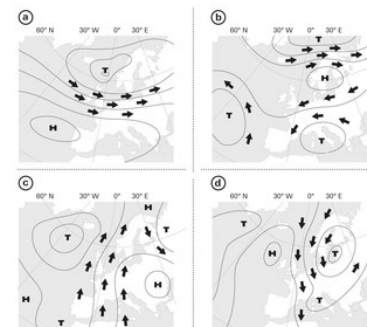
7. What does the picture show?

- ☐ A Rockfall sediments
- ☐ B Lateral erosion
- ☐ C Lateral moraine
- ☒ D Levee



8. Which picture shows the so-called Bise weather situation?

- ☐ A a
- ☒ B b
- ☐ C c
- ☐ D d



9. Through which country does the Nil River NOT flow?

- ☐ A Egypt
- ☐ B Ethiopia
- ☒ C Niger
- ☐ D Sudan

10. The informal sector is...

- ☐ A A part of the gross domestic product
- ☐ B A synonym for subsistence economy
- ☐ C A sector of urbanization
- ☒ D A synonym for shadow economy

**11. With an anemometer you can measure...**

- ☐ A the amount of reflected infrared radiation
- ☒ B the windspeed
- ☐ C the air pressure
- ☐ D the water depth

**12. In an El Niño year**

- ☒ A there is no upwelling of cold water in the East Pacific, off the coast of Peru
- ☐ B the Southeast trade winds are very strong
- ☐ C there is a well-developed low pressure area above Australia and Southeast Asia
- ☐ D the Walker Circulation is fully developed

**13. Marble**

- ☐ A is an igneous rock
- ☐ B is a sedimentary rock
- ☒ C is a metamorphic rock
- ☐ D is a mineral

**14. Which climate zone is described by high temperature over the whole year and a lot of precipitation during summer?**

- ☐ A temperate climate
- ☒ B savanna climate
- ☐ C continental climate
- ☐ D etesian climate

**15. How much time has passed since Australia and Antarctica did separate from each other?**

- ☐ A 16 million years
- ☐ B 50'000 years
- ☐ C they had never been together
- ☒ D 50 million years

**16. What's a loxodrome?**

- ☐ A a line which includes all points with the same altitude above sea level
- ☐ B a special sort of an isobar
- ☒ C a connected line between two points on the Earth's surface, which cuts every meridian with the same angle
- ☐ D the shortest connection between two points on the Earth's surface

17. What does the map below represent?

- ☐ A the areas, where the average temperature of January is under zero degrees
- ☐ B the maximum extent of the Mesozoic sea
- ☒ C the maximal glaciation during the last ice age
- ☐ D all points with an altitude of 400 m above mean sea level or more



18. What is NOT typical for a stratovolcano?

- ☐ A pyroclastic flow
- ☐ B long rest periods
- ☐ C steep slopes
- ☒ D effusion

19. What does the picture show?

- ☒ A a traditional Yanomami maloca
- ☐ B an open pit diamond mine
- ☐ C a cult place from the Penan people
- ☐ D a traditional combat sports area



20. Which of the following products does not contain palm oil.

- ☐ A 1
- ☐ B 2
- ☒ C 3
- ☐ D 4



21. GPS and determination of an earthquake's epicenter both calculate locations based on:

- ☐ A the global two-dimensional coordinate grid (northing and easting)
- ☐ B the loss of amplitude in the communication between devices
- ☐ C multiple non-stationary measurement devices
- ☒ D the amount of time it takes for a signal to travel from a source to a sensor

22. A tsunami is caused by the following:

- ☐ A An earthquake near the coastline of a continent
- ☒ B A vertical movement of the ocean floor
- ☐ C Heavy winds during a hurricane or tropical storm
- ☐ D Abrupt temperature differences in the lower atmosphere

23. Where were the traditional places of classic villa quarters in Swiss Cities of the 19th century?

- ☐ A next to the railway station
- ☒ B at slopes exposed to the south
- ☐ C next to the factories
- ☐ D near the centre of the city

24. You are staying in Turkey and it's a cloudy day. You don't speak Turkish and your watch and smartphone have been stolen. How can you orientate yourself based on the cardinal direction?

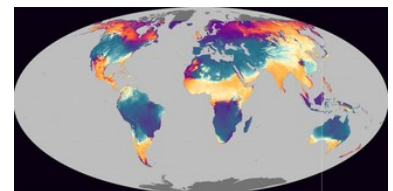
- ☒ A You go to a mosque and you look for the prayer niche.
- ☐ B You are studying swarms of birds.
- ☐ C You interpret the position based on the river flows.
- ☐ D You are looking for a parting of the ways.

25. Which phenomenon has NOTHING to do with economic globalization?

- ☐ A Increase of foreign direct investments.
- ☐ B Outsourcing of manufacturing.
- ☐ C Bigger transport volumes.
- ☒ D Increase of armed conflicts

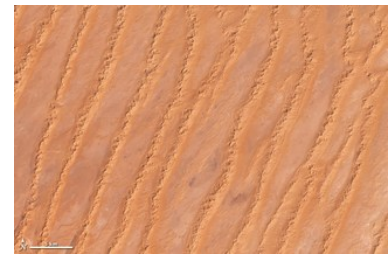
26. The map shows the global timing of peak cloudiness. Each color represents a specific month. Which month is indicated by the orange color?

- ☐ A February
- ☐ B May
- ☒ C August
- ☐ D November



27. What structures are shown in the image?

- ☐ A sandstone
- ☐ B lava flows
- ☒ C dunes
- ☐ D dried out sea floor



28. Where is 0°N 0°W?

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

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

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

30. What is meant by the abbreviation HDI?

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

31. What is NOT an environmental function of corals?

- ☐ A cleaning water
- ☐ B habitat for species
- ☐ C prevents coastal erosion
- ☒ D touristic attraction

32. What is the major reason for the drying of Lake Aral?

- ☐ A less precipitation
- ☐ B more water flowing out of the lake
- ☐ C higher temperatures
- ☒ D less water flowing into the lake

33. What term describes a process of city renewal?

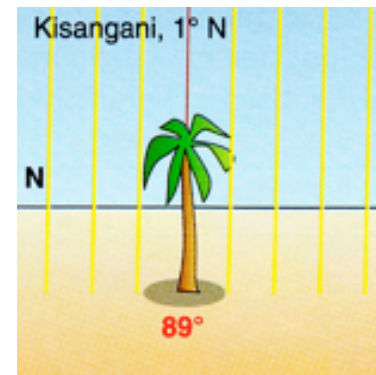
- ☒ A gentrification
- ☐ B segregation
- ☐ C urbanisation
- ☐ D urban sprawl

34. Sort the following countries by increasing numbers of inhabitants: A) France, B) Sweden, C) Germany, D) Poland ?

- ☐ A D B C A
- ☐ B D C B A
- ☐ C A C B D
- ☒ D B D A C

35. This image shows the direction of the sun rays (yellow) at a certain time. Which date is it?

- ☒ A 21st of March
- ☐ B 21st of June
- ☐ C 25th of September
- ☐ D 21st of December



36. Which statement regarding the magnitude is correct?

- ☐ A The magnitude measures the intensity of an earthquake and the impact of the earthquake on people and buildings.
- ☐ B The magnitude is a subjective degree for the energy which one can measure on the earth surface.
- ☐ C For the calculation of the magnitude one needs the maximal amplitude and the distance of the seismometer to the hypocentre.
- ☒ D For the calculation of the magnitude one needs the relative ground motion at the hypocentre and the distance between the seismometer and the hypocentre.

37. During a stable temperature inversion in autumn and winter, the concentration of a certain air pollutant in the Swiss Mittelland increases a lot. Which air pollutant is increasing?

- ☐ A Ozone (O<sub>3</sub>)
- ☒ B Particulate matter (PM<sub>10</sub>)
- ☐ C Nitrous oxide (N<sub>2</sub>O)
- ☐ D Carbon monoxide (CO)



38. For which pass or mountain is the rock below typical?

- ☐ A Eiger
- ☐ B Gemmi
- ☐ C Säntis
- ☒ D Gotthard



39. Which of the following seismic waves is the fastest?

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

40. A tropical cyclone develops...

- ☐ A Over land
- ☒ B Over water
- ☐ C At the equator
- ☐ D Also in Switzerland