

Revision of Atmosphere

Class:.....
Date:.....

1. What is atmosphere?
.....

2. Draw and describe the structure of the atmosphere.

3. Complete the text below about atmosphere. Use these words: *oxygen, air, nitrogen, water vapour*

Earth's atmosphere consist of 78% of, 21% of and 1% of carbon dioxide, argon and This mixture of gases is called

4. Explain why atmosphere is so needed for the people.

5. What is meteorology and climatology?

6. Complete the sentences.

- a/ Weather are (*short-time (actual) / long-term*) conditions of atmosphere.
- b/ (*Climatology / Meteorology*) studies climate.

7. Give the measuring instrument and proper units of measuring the air pressure.

Measuring instrument: Units:

8. Fill the gaps

Meteorological factor	Measuring units
Temperature	
	hPa
Wind speed	
	%

9. Underline correct words in sentence.

The atmosphere protects life on Earth by (*absorbing / not absorbing*) ultraviolet solar radiation and (*reducing / increasing*) temperature extremes between day and night.

10. Climate represents conditions of the atmosphere:

- long-time
- short-term
- long-term
- never-ending
- short-time

11. Cross out the unsuitable term.

latitude – altitude – distance form the sea – longitude – ocean currents – prevailing winds

12. Explain how ocean currents (as climate factor) influence the climate?

13. Is the following statement correct? (yes/no) Justify your answer:

"Cold ocean currents contribute to humid climate."

14. Put these terms into a logical order using the following grid.

Canary current, Atacama, SW coast of Africa, Sahara, Peru current, Namib, NW coast of Africa, Benguela current, W coast of South America

Ocean current	Coast	Desert
.....
.....
.....

15. Fill the blank gaps.

Coast	Ocean current	warm/cold
a) Western Europe
b)	Hokkaido (JAP)
c) E Australia
d).....	Brasil

16. Give 2 examples of cold ocean currents and locate them on the map.

17. Give 2 examples of warm ocean currents and locate them on the map.

18. Explain how distance from the sea (as climate factor) influences the climate?

19. Is the following statement correct? (yes/no). Justify your answer.

"The further from the sea, the lower temperature extremes."

20. Explain why London has a milder winter than Kiev.

21. Fill the gaps.

Altitude	Temperature
400 m asl.	22°C
700 m asl.	?
200 m asl.	?

22. Name the wind

a) "Winds blowing from tropical high pressure areas to equatorial low pressure areas."

.....

b) "Winds blowing from tropical high pressure areas to temperate low pressure areas."

.....

c) "Winds blowing from polar high pressure areas to temperate low pressure areas."

.....

d) " Wind blowing from an ocean towards the land mass. It occurs in subequatorial areas, especially in South and South-East Asia (e.g. Bangladesh). This wind brings heavy rainfall."

.....

e) " Wind blowing from colder shore (coast) towards sea or lake during night."

.....

f) " Wind blowing from colder sea or lake towards shore (coast) during day."

.....

23. Is the following statement correct? (yes/no) Justify your answer:

"Winter monsoon brings heavy rain."

24. Draw and describe valley and mountain wind:

25. Draw and describe fohn:

26. Draw and briefly describe the coastal breeze:

26. Match the following:

- | | |
|----------------------------|-------------------|
| A/ wind with huge rainfall | 1/ hurricane |
| B/ warm dry wind | 2/ anticyclone |
| C/ high pressure | 3/ summer monsoon |
| D/ low pressure | 4/ fohn |

27. Explain the temperature inversion.

28. Give 2 examples of countries the most vulnerable due to hurricanes (typhoons).

29. Describe weather conditions (a, b):

- a) under cyclone during summer:
- b) under anticyclone during winter:

30. Choose one climatic zone and match one vegetation cover (biome) that goes with it:

Climatic zone:- Vegetation cover:

31. Write a difference between temperate continental climate and temperate maritime climate and match one country with such a climate.

32. Write 2 examples of countries with monsoonal climate and locate them on the blank map of the world.

33. On the blank map of the world locate 2 examples of countries with:

- a. Equatorial climate
- b. Subequatorial climate
- c. Tropical climate
- d. Subtropical climate
- e. Temperate climate
- f. Polar climate

