



MATURITNÍ TÉMATA

Školní rok:	2025/2026		
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Schváleno předmětovou komisí dne:	27. 8. 2025	Podpis:	
Schváleno ředitelem školy dne:	28. 8. 2025	Podpis a razítko:	
Počet výtisků:	6	Výtisk č.:	1

1. The Earth as a Planet of the Solar System

- The Solar System
- Interactions in the Sun–Earth–Moon System
- Basic characteristics of the Earth
- Movements of the Earth and their consequences

2. Cartography

- Map projections
- Classification of maps
- Content of a map, map symbols
- Modern mapping methods

3. Atmosphere

- Vertical structure of the atmosphere
- Atmospheric moisture and precipitation
- Weather: air masses, fronts, mid-latitude depressions
- Climate: factors affecting climate, urban microclimate
- Klimatické oblasti České republiky

4. Atmosphere – Atmospheric Motion

- Tricellular model of global atmospheric circulation
- Tropical revolving storms and monsoons
- Local wind systems
- Weather and climate-related natural disasters
- Climatic change

5. Hydrosphere – Oceans and Seas

- Properties of ocean water
- Topography of the ocean floor
- Movements of ocean water
- Ocean as a natural resource

6. Hydrosphere – Rivers, Lakes, Groundwater

- River regimes, long river profile and river landforms
- Lakes
- Groundwater and artesian basins
- Importance of rivers, lakes, and groundwater
- Vodstvo České republiky, krasové oblasti

7. Glaciers

- Formation, types, and global distribution of glaciers
- Landforms created by glacial erosion and deposition
- Human use of glacial environments
- Polar regions

8. Lithosphere

- Internal structure of the Earth
- Plate tectonics and major landforms formed by movements
- Volcanoes and earthquakes – distribution in the world
- Geologie a geomorfologie České republiky

9. The Russian Federation, Central Asia and the Caucasus Republics

- Main physical and human geography characteristics
- Economic geography of the region – core and peripheral regions
- Conflict zones

10. Germany and Alpine countries

- Main physical and human geography characteristics
- Economic geography of the region – core and peripheral regions
- Relations with the European Union
- Brief characteristics of Germany, Switzerland, Liechtenstein, Austria, Slovenia

11. Natural Zones – The Relation Between Climate, Vegetation and Soil at the Global Scale

- Climate types, zonal soils and biomes
- Human impacts on the environment
- Ochrana přírody v České republice

12. East Asia

- Main physical and human geography characteristics
- Main economic features of the region
- Newly industrializing countries
- China and Japan – strengths and weaknesses

13. World Economy

- Sectors of economy – overview of primary, secondary, tertiary, and quaternary sectors
- Location factors – natural and socioeconomic conditions influencing placement of activities
- Relationship between economically active population and sectoral distribution
- Hot spots industrial production, and services in the world
- Energy sector – power generation and its role in Europe
- Stěžejní průmyslová odvětví v České republice

14. Agriculture

- Factors affecting agriculture
- Types of farming and their global distribution
- Hot spots of agricultural production
- Farming as a threat to the environment
- The Green Revolution
- Zemědělství v České republice

15. Settlement and Urbanisation

- Settlement patterns
- Settlement sites and factors influencing settlement growth
- Urbanisation processes and the hierarchy of urban settlements
- Global urban trends – cities in developing countries and problems of rapid growth
- Transport systems in urban areas

16. Anglo-America

- Main physical geography characteristics
- Main human geography characteristics
- Economic geography of the region – core and peripheral regions

17. Population

- The Demographic Transition Model and population pyramids
- Trends in the global population growth and their consequences
- Migration
- Obyvatelstvo České republiky

18. Latin America

- Main physical geography characteristics
- Main human geography characteristics
- Economic geography of the region – core and peripheral regions

19. Africa

- Main physical geography characteristics
- Main human geography characteristics
- Economic geography of the region – core and peripheral regions
- Strengths and weaknesses of two selected countries in the region

20. Western Europe

- Main physical and human geography characteristics
- Economic geography of the region – core and peripheral regions
- Brief characteristics of the Benelux countries, France, the United Kingdom and the Republic of Ireland

21. Northern Europe

- Main physical and human geography characteristics
- Economic geography of the region – core and peripheral regions
- European Union relations
- Brief characteristics of the Nordic and Baltic countries

22. Australia and Oceania

- Main physical geography characteristics
- Main human geography characteristics
- Economic geography of the region – core and peripheral regions
- Brief characteristics of Australia and New Zealand
- Oceania

23. Group V4 and Southeast Europe

- Main physical and human geography characteristics
- Economic geography of the region – core and peripheral regions
- European Union relations
- Brief characteristics of V4 Group countries and Southeastern European countries

24. Western Asia

- Main physical and human geography characteristics
- Main economic features of the region – core and peripheral regions
- The Gulf states and Mediterranean states – strengths and weaknesses

25. Southern Europe

- Main physical and human geography characteristics
- Economic geography of the region – core and peripheral regions
- Brief characteristics of Portugal, Spain, Italy, Greece, Malta and Cyprus

26. Monsoon Asia

- Main physical and human geography characteristics
- Main economic features of the region
- Selected countries in the region – strengths and weaknesses