



**MATURITNÍ TÉMATA**

Školní rok:	<b>2023/2024</b>		
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Počet výtisků:	<b>6</b>	Výtisk č.:	<b>1</b>

**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 atmosphere
- Atmospheric moisture – precipitation
- Weather: air masses, fronts, mid-latitude depressions
- Climate: factors affecting climate, urban microclimate
- Klimatické oblasti České republiky

#### **4. Atmosphere – Atmospheric Motion**

- The tricellular model of global air circulation
- Tropical revolving storms, monsoons
- Local winds
- Natural disasters caused by weather and climate
- 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. Glaciers**

- Glaciers: formation, types of glaciers and world distribution
- Landforms formed by glacial erosion and deposition
- Benefits of glacial environment to humans
- Polar regions

#### **7. 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

#### **8. Lithosphere**

- Internal structure of the Earth
- Plate tectonics and major landforms resulting from plate movements
- Volcanoes, earthquakes, and their 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
- European Union relations
- Brief characteristics of Germany, Switzerland, Lichtenstein, Austria, Slovenia

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

- Climate types, zonal soils, 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, Japan – strengths and weaknesses

## **13. World Economy Focused on Secondary Industries**

- Sectors of economy
- Traditional and modern trends in location of industry
- World industrial zones
- Power generating industry
- Průmysl České republiky

## **14. Agriculture**

- Factors affecting farming
- Types of farming and their world distribution
- Farming as a threat to the environment
- Green Revolution
- Zemědělství České republiky

## **15. Settlement**

- Rural and urban settlement
- Hierarchy of urban settlement on examples from the world
- Cities in developing countries and problems resulting from their rapid growth
- Srovnání Olomouckého a dalšího kraje České republiky – charakteristika přírodních a hospodářských poměrů s ohledem na společné a rozdílné znaky

## **16. Anglo-America**

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

## **17. Services**

- Classification of services
- World transport and its impact on the environment
- Tourism and its impact on the environment
- Doprava, služby a cestovní ruch v České republice

## **18. Population**

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

## **19. Latin America**

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

## **20. Africa**

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

## **21. 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

## **22. 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

## **23. 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

## **24. 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 Group V4 countries and countries in Southeast Europe

## **25. Western Asia**

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

## **26. 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, Cyprus

## **27. Monsoon Asia**

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