

Multiple-choice questions

Section 4: Patterns in resource consumption

- 1 The measure of humanity's demands on the natural environment devised in 1990 by Wackernagel and Rees is the:
 - A socio-economic footprint
 - B Human Development Index
 - C environment index
 - D ecological footprint

- 2 The capacity of an ecosystem to generate an ongoing supply of resources and to absorb its wastes is known as:
 - A biocapacity
 - B ecological capacity
 - C environmental capacity
 - D carbon capacity

- 3 One hectare of biologically productive space with world average productivity is:
 - A a world hectare
 - B a continental hectare
 - C a global hectare
 - D an imperial hectare

- 4 Which group of countries has the highest carbon footprint?
 - A least developed countries
 - B newly industrialised countries
 - C developed countries
 - D developing countries



- 5** What is said to occur when humanity's demand on nature exceeds the biosphere's regenerative capacity?
- A excess demand
 - B overshoot
 - C over-supply
 - D environmental excess
- 6** The considerable increase in food production due to high-yielding variety seed programmes is known as the:
- A Farming Revolution
 - B Technological Revolution
 - C Seed Revolution
 - D Green Revolution
- 7** The idea of optimum population has been mainly understood from the point of view of:
- A economics
 - B politics
 - C sociology
 - D history
- 8** Resource pessimists are often referred to as:
- A neo-fascists
 - B neo-liberals
 - C neo-conservatives
 - D neo-Malthusians



- 9** The relative contribution of different energy sources to a country's energy consumption/production is known as its:
- A energy compound
 - B energy package
 - C energy mix
 - D energy product
- 10** At one time all of Britain's trains were powered by:
- A coal
 - B oil
 - C gas
 - D hydro-electricity
- 11** Which energy source contributes most to global energy consumption?
- A coal
 - B oil
 - C gas
 - D hydro-electricity
- 12** The relative importance of hydro-electricity is greatest in:
- A Asia
 - B Europe
 - C North America
 - D South and Central America
- 13** The Middle East accounts for approximately what proportion of global proved oil reserves?
- A 20%
 - B 40%
 - C 60%
 - D 80%



- 14** Energy consumption is rising at the fastest rate in:
- A developed countries
 - B newly industrialised countries
 - C developing countries
 - D least developed countries
- 15** The organisation whose prime concern is predicting the peak of global oil production is:
- A OPEC
 - B NAFTA
 - C ASPO
 - D WTO
- 16** Which is the world's second largest oil-producing country, after Saudi Arabia?
- A USA
 - B Iran
 - C China
 - D Russia
- 17** Gas flaring in which energy location is the world's single largest source of greenhouse gas emissions?
- A Niger delta
 - B Gulf of Mexico
 - C Persian Gulf
 - D Venezuela
- 18** Which country leads the world in the use of nuclear electricity?
- A Russia
 - B France
 - C USA
 - D Germany



- 19** In 2007 the world leader in wind energy capacity was:
- A USA
 - B China
 - C the UK
 - D Germany
- 20** The largest producers of ethanol in the world are:
- A the USA and Brazil
 - B Australia and South Africa
 - C Germany and France
 - D China and India
- 21** The world leader in geothermal electricity is:
- A New Zealand
 - B the USA
 - C Iceland
 - D Chile
- 22** Approximately how many people in developing countries rely on fuelwood, charcoal and animal dung for cooking?
- A 1 billion
 - B 1.5 billion
 - C 2 billion
 - D 2.5 billion
- 23** Which country overtook Japan as the world's second largest user of oil in 2004?
- A Russia
 - B China
 - C India
 - D Brazil



- 24** Coal mined in China accounts for what percentage of the world total?
- A 22.5%
 - B 32.5%
 - C 42.5%
 - D 52.5%
- 25** It has been estimated that China will take over from the USA as the world's largest consumer of oil in:
- A 2025
 - B 2035
 - C 2045
 - D 2055
- 26** The only utility-scale tidal power system in the world is in:
- A France
 - B Spain
 - C Canada
 - D the USA
- 27** The Three Gorges Dam is located along which river?
- A Pearl
 - B Yangtze
 - C Yellow
 - D Songhua
- 28** The total cost of the Three Gorges Dam has been estimated at:
- A \$10 billion
 - B \$30 billion
 - C \$50 billion
 - D \$70 billion



- 29** Of the five traditional sources of energy, which contributes the least to China's energy consumption?
- A nuclear energy
 - B natural gas
 - C hydro-electricity
 - D oil
- 30** Which of the following countries is not a member of OPEC?
- A Saudi Arabia
 - B Nigeria
 - C Venezuela
 - D Norway
- 31** Supply routes between energy producers and consumers are known as:
- A energy routes
 - B energy pathways
 - C energy corridors
 - D lines of energy
- 32** Canada's large deposits of oil sands are in:
- A Alberta
 - B British Columbia
 - C Ontario
 - D Quebec
- 33** The Falkland Islands are in the:
- A Pacific Ocean
 - B South Atlantic Ocean
 - C Indian Ocean
 - D North Atlantic Ocean



- 34** The rate at which temperature rises as depth below the surface increases is the:
- A temperature gradient
 - B sub-surface gradient
 - C geothermal gradient
 - D geological gradient
- 35** How many people will the Three Gorges Dam protect from flooding?
- A 1 million
 - B 5 million
 - C 10 million
 - D 15 million