

REVISION CLOCK – ECOSYSTEMS

HOW ARE GLOBAL BIOMES DISTRIBUTED?

HOW ARE BIOMES LINKED TO GLOBAL
ATMOSPHERIC CIRCULATION?

WHAT IS AN ECOSYSTEM?

BIOTIC COMPONENTS OF AN ECOSYSTEM

ABIOTIC COMPONENTS OF AN
ECOSYSTEM

HOW DOES THE NUTRIENT CYCLE WORK?



WHAT IS A BIOME?

SMALL-SCALE ECOSYSTEM EXAMPLE

WHAT SERVICES DO ECOSYSTEMS PROVIDE?

WHAT GOODS DO ECOSYSTEMS PROVIDE?

HOW IS ENERGY TRANSFERRED IN AN ECOSYSTEM?

WHAT ARE PRODUCER AND CONSUMERS?

REVISION CLOCK – TROPICAL RAINFORESTS

RAINFOREST MANAGEMENT: NATIONAL SCALE

RAINFOREST MANAGEMENT: INTERNATIONAL SCALE

WHAT ARE THE LAYERS OF THE RAINFOREST?

WHAT ARE THE CLIMATE AND SOILS LIKE?

WHAT GOODS DO WE GET FROM THE RAINFOREST?

WHAT SERVICES DO WE GET FROM THE RAINFOREST?

HOW DO PLANTS AND ANIMALS ADAPT?

DEFORESTATION: LOGGING/MINING

DEFORESTATION: FARMING

LOCAL IMPACTS OF DEFORESTATION

GLOBAL IMPACTS OF DEFORESTATION

RAINFOREST MANAGEMENT: LOCAL SCALE



REVISION CLOCK – HOT DESERTS

IMPACTS OF DESERTIFICATION

STRATEGIES TO REDUCE DESERTIFICATION

CHARACTERISTICS OF HOT DESERTS

HOW DO PLANTS ADAPT TO HOT DESERTS?

HOW DO ANIMALS ADAPT TO HOT DESERTS?

HOT DESERT CASE STUDY: FARMING

HOT DESERT CASE STUDY: ENERGY/MINERALS

HOT DESERT CASE STUDY: TOURISM

CHALLENGES: EXTREME TEMPERATURE

CHALLENGES: WATER SUPPLY

CAUSES OF DESERTIFICATION

CHALLENGES: INACCESSIBILITY



REVISION CLOCK – COLD ENVIRONMENTS

MANAGEMENT: NATIONAL LEVEL

MANAGEMENT: INTERNATIONAL AGREEMENTS

CHARACTERISTICS OF COLD ENVIRONMENTS

HOW DO THE POLAR AND TUNDRA BIOMES DIFFER?

HOW DO PLANTS ADAPT TO COLD ENVIRONMENTS?

HOW DO ANIMALS ADAPT TO COLD ENVIRONMENTS?

OPPORTUNITIES: ENERGY AND MINERAL EXTRACTION

OPPORTUNITIES: FISHING AND TOURISM

CHALLENGES: EXTREME TEMPERATURES

CHALLENGES: CONSTRUCTION

CHALLENGES: INACCESSIBILITY

MANAGEMENT: LOCAL LEVEL (NGOS)

