

Palm trees honor Worksheet

1. Name the five main components of a palm tree

a. _____

b. _____

c. _____

d. _____

e. _____

2. What happens when the crown of a palm is cut out?

3. What happens when the trunk of a palm is damaged?

4. In the Pacific islands there are several species of palm trees which are helpful to man. Name two of these and list as many ways as you can how each helps man.

A. _____

B. _____

5. Identify by sight six different types of palms which grow in your area. Do this in any language.

6. Draw or photograph and name six different species of palm for your director.

To be turned into your director

7. Name a palm tree product used as food and describe its use.

Rivers and streams honor worksheet

1. What distinguishes the rivers and streams biome from other aqueous biomes?

2. Define the following terms:

a. River

b. Stream

c. Creek or Brook

d. Rivulet or Rill

e. Crick

f. Tributary

g. Mouth

h. Estuary

i. Headwater

j. Watershed

k. Continental Divide

l . Riffle

m. Rapids

n. Whitewater

o. Silt

p. Alluvium

q. Alluvial Fan

r. Detritus

s. Riparian

3. Explain three differences between the water at the head and at the mouth of a river. Give examples of some species found in each place.

Differences

Head	Mouth

Species

Head	Mouth

4. Identify on a map the main rivers on your continent. Know at least five of their explorers. Read a story about one of the explorers.

River	Explorer

5. What is an oxbow lake? Describe how it is formed.

6. List at least five fish which live in a river or stream.

7. List at least five plants which live in or along a river or stream.

8. List at least five birds which live on or near a river.

9. List at least five mammals which live in or along a river or stream.

10. Write a report or present orally the story of an introduced plant or animal species in this biome. Include where it came from, the problems it causes and what steps are being taken to reduce/eliminate the damage.

11. Describe a species native to this biome which is threatened, endangered or extinct. Include some contributing causes.

12. Sing a song about a river or stream.

Happy singing! [] check if done

13. Read about the "River of Life" mentioned in the bible.

Read with Me. []. Check if done

14. Develop or read an object lesson about a river and present it at a pathfinder worship, children's story, or other acceptable event approved by a master guide.

15. Do at least two of the following activities related to rivers and streams:

- a. Photograph or draw the organisms found in samples of water you collected from a stream.
- b. Walk along a stream and list the plants and animals you observe.
- c. Visit a large waterfall or dam and explain what difficulty it presents for the wildlife.
- d. Pick up trash along a river or stream.
- e. Produce a 60 second commercial to inform an audience about something in this biome

Circle the two you completed and give to Director

Temperate deciduous Forest Worksheet

1. Describe or explain the following information about temperate deciduous forests:

a. In simple terms, describe a temperate deciduous forest.

b. List several characteristics of temperate deciduous forests.

c. Provide other names that are used for a temperate deciduous forest.

d. From a map, show the continents where temperate deciduous forests can be found.

e. Define biome. What biome is usually found north of a temperate deciduous forest?

2. Identify from pictures or in nature, four types of trees commonly found in temperate deciduous forests.

3. Explain why leaves turn color in the fall.

4. Read Genesis 1:11-13. Discover what Genesis 1 says about when the trees were created.

5. Identify from pictures or in nature, at least five species of flowering plants, commonly found in a temperate deciduous forest. Why are they usually only found in spring?

6. Identify from pictures or in nature, at least five species of mammals commonly found in the temperate deciduous forests.

7. Identify from pictures or in nature, at least five types of birds commonly found in temperate deciduous forests.

8. List important resources provided to your region by temperate deciduous forests.

9. Learn about one invasive species that affects temperate deciduous forests.

10. Prepare an object lesson about a plant, animal, or bird, which lives in temperate deciduous forests. Share this lesson in a group setting such as a club/unit worship, children's story in church, campfire, or vespers.

11. Do at least three of the following activities:

- a. Visit an exhibit or conservatory of deciduous tree species.
- b. Make a collection of at least five types of leaves from temperate deciduous forest trees.
- c. Visit a zoo or nature center where there are animals typical of the temperate deciduous forests biome.
- d. Watch a video about temperate deciduous forests or plants or animals that live in temperate deciduous forests.
- e. Draw or paint a picture of something you had fun learning about while studying temperate deciduous forests.
- f. As a group, make a short video about a real life temperate deciduous forest conservation project. Explain why this specific habitat should be saved.
- g. Visit a lumber store and learn to identify, by their grain texture, at least three species of trees that are deciduous..

Cirlcel the three you completed and turn into director

Water Science Worksheet

1. Making use of household products, build a 3-D model of the water atom. Explain its chemical composition.

2. List and describe (verbally or orally) some characteristics of water that distinguish it from nearly all other elements?

3. Making use of photos, diagrams or any other form of visual aid, illustrate the three states of water.

__1__

__2__

__3__

4. Describe, illustrate or represent the difference between clouds, snow and rain.

__Clouds__

__Snow__

__Rain__

5. Through photos or diagrams, identify and list the five (5) main types of precipitation.

__1__

__2__

__3_____

__4_____

__5_____

6. What is the boiling and freezing point of water?

Boiling _____

Freezing _____

7. Water Trivia:

a. What is the estimated weight of one gallon (4 liters) of water?

b. The human body consists of how much water?

c. What is the largest ocean on Earth?

d. What is the largest lake in the World?

e. What is the largest lake in North America?

f. Can sound travel faster through water or air?

g. What is the deepest point in the world's oceans?

h. What is the longest river on Earth?

i. How long can a person survive without water?

j. What makes water hard?

k. What uses the most water in households?

l. What is the word used to describe how much water vapor is in the air?

m. What is the name of the canal that connects the Pacific Ocean with the Atlantic Ocean?

n. Which conducts heat more efficiently, water or air?

o. How much water do you need to drink daily?

p. What chemical is added to water to kill harmful germs?

q. How many gallons/liters of water are used in a five-minute shower?

r. What is the longest navigable river in your country?

s. T or F: (circle one). Water is often called the universal solvent because many things can be dissolved in it.

8. How much of the earth is covered by water?

9. How much of the earth's water is fresh water?

10. Where is water found on earth?

11. Select three (3) of the following and discuss at least one way water is used.

a. Agriculture

b. Washing

c. Drinking

12. What is a body of water? Through photos, diagrams or sketches, be able to illustrate the following bodies of water below, naming one that can be found in your city, town, county or state, if possible.

a. River

b. Lake

- c. Sea
- d. Ocean
- e. Rapid
- f. Canal
- g. Creek
- h. Basin
- i. Glacier
- j. Gulf
- k. Harbor
- l. Lagoon
- m. Reservoir

13. Discuss with a group the biblical context of at least three (3) of the following texts as each relates to the significance of water in the Bible.

a Matthew 28:19

b John 3:5

c John 4:14

14. Demonstrate a technique that can be used to convert salt water into clean drinking water.
