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\* Assignment Sheets are located in the Student Workbook.



### Objective Sheet

#### Unit Objective

After completing this unit, the student should be able to evaluate a local outdoor recreation site and plan and design an outdoor recreation area. The student should demonstrate these competencies by completing the assignment sheets and by scoring a minimum of 85 percent on the written test.

#### Specific Objectives

After completing this unit, the student should be able to:

1. Match terms related to outdoor recreation with their definitions.
2. List the equipment and facilities needed for selected outdoor recreation activities.
3. State the skills and licenses needed for outdoor recreation activities.
4. Select from a list the major factors increasing the demand and participation in outdoor recreation.
5. Select true statements concerning other factors affecting current and future participation in recreational activities.
6. List considerations when selecting an outdoor recreation area.
7. List reasons why people participate in outdoor recreation.
8. Select from a list agencies responsible for public lands, recreation areas, and employment in outdoor recreation.
9. Match employment opportunities in outdoor recreation with their appropriate description.
10. Select from a list business opportunities in outdoor recreation.
11. Interpret graphs on future trends in outdoor recreation.  
(Assignment Sheet 1 )
12. Identify outdoor recreation activities and facilities available locally.  
(Assignment Sheet 2)
13. Evaluate a local outdoor recreation site. (Assignment Sheet 3)
14. Make a presentation about an outdoor recreation activity.  
(Assignment Sheet 4)
15. Plan and design a new outdoor recreation area. (Assignment Sheet 5)
16. Give accurate, easy-to-follow directions. (Assignment Sheet 6)
17. Evaluate conflict resolution scenarios. (Assignment Sheet 7)
18. Explore career opportunities in natural resources. (Assignment Sheet 8)



**Information Sheet**

**Key term:**

- **Outdoor recreation**—Deals with any activity that a person voluntarily does in the outdoors for enjoyment and satisfaction

**Introduction**

As our leisure time becomes greater and greater, the demand for recreation activities and facilities also increases. **Outdoor recreation** deals with any activity that a person voluntarily does in the outdoors for enjoyment and satisfaction.

Many people enjoy using natural resources for outdoor recreation. The fresh air, exercise, and appeal of the outdoors makes being outside enjoyable. The beauty of nature is appealing to many people. There are many things to see and do in the outdoors. We can enjoy the outdoors but not damage it. We can look, experience, and enjoy and leave it in unused condition for the next person.

Understanding the outdoors helps us enjoy being outside more. We know what to expect and how to be prepared. We can also enjoy it even when we cannot walk long distances or be active in hunting and fishing

The nature of outdoor recreation activities varies widely. Some activities are passive, meaning that people who do them do not exert much physical effort. Other outdoor activities require active physical participation. Examples of outdoor recreation include: water recreation, winter recreation, camping, birding, hiking, horseback riding, fishing, and hunting.

The use of natural resources may be consumptive or nonconsumptive. Consumptive use is taking or using a resource so it is no longer available. Examples are hunting, fishing, and other activities that remove the natural resource. Nonconsumptive use is using resources so they are not used up. Watching, photographing, skiing, hiking, camping, and other similar activities do not take natural resources.

Good users of natural resources for outdoor recreation try to avoid an impact that affects the quality of the resources. They respect the rights of other people. Full and safe enjoyment begins with planning outdoor recreational activities. Outdoor areas should always be left in good condition for the next user. You want to find an area in good condition when you use it. You should leave it that way for the next person. Be responsible for what you do.

**Objective 1**

**Terms and definitions**

- |                                  |                    |
|----------------------------------|--------------------|
| Concessions                      | Outdoor recreation |
| Cultural event                   | Scenic             |
| Disposable personal income (DPI) | Stress             |
| Facility                         |                    |
| Leisure                          |                    |
| Life expectancy                  |                    |

## Information Sheet

### Objective 2

### Equipment and facilities needed for outdoor recreation activities

Activity	Equipment	Facility
Archery	Bows, arrows, proper clothing	Archery range, public or private hunting area
Biking	Bicycle, helmet	Bike trails, safety signs
Bird watching	Binoculars, camera, bird books	Natural habitats
Boating	Motor or sailboat	Lake or large river
Camping	Tent or trailer, cookware, lights, proper clothing	Table, grill, trash disposal, clean, scenic uncrowded area
Canoeing	Canoe, life jacket, paddles	Stream or lake
Fishing	Fishing pole, reel, bait	Lake, stream, or farm pond
Four-wheeling, ATV	Four-wheel-drive vehicle or other all-terrain vehicle	Rough or challenging terrain, dry stream beds
Golfing	Golf equipment	Golf course, driving range, or miniature golf course
Hang gliding	Hang glider	Steep terrain, dependable air currents
Hiking	Shoes, pack, food, maps	Hiking trails, scenic area
Horseback riding	Horse, riding gear (tack)	Barns, corrals, riding area
Hunting	Gun, ammunition, proper clothing	Private hunting area with permission or public hunting area
Jogging/walking	Proper shoes and clothing	Trails or tracks
Lawn games such as volleyball, badminton	Game equipment	Small open, uncrowded areas
Picnicking	Food, table	Shaded, scenic area, clean, free of pests
Rock/mountain climbing	Proper clothes, climbing equipment	Public/private climbing area
Scuba diving	Diving equipment, boat	Clear lake, ocean, or stream
Sight-seeing	Private vehicle or bus	Scenic turn-outs, information signs
Snow skiing	Skis, boots, proper clothing	Mountainous area, heavy snowfall
Surfing	Surfboard or sailboard	Coastal areas or lakes
Swimming	Life vest, "buddy"	Indoor or outdoor swimming area
Tennis	Tennis racquet, balls, shoes	Tennis court
Water skiing	Skis, boat, ski rope, life vest	Lake or large river

Objective 3

**Skills and licenses needed for outdoor recreation activities**

Activity	Skills	License/Permit/Certification
Archery	Knowledge of equipment,safety	None
Biking	Biking techniques, safety	Bike license required in some states
Bird watching	Knowledge of species and habitats	None
Boating	Boat operation, safety	Boat, motor, trailer license
Camping	Tent pitching, fire building	Permits at some locations
Canoeing	Paddling, safety	Canoe license in some states
Fishing	Technique	Fishing license or permit
Four-wheeling, ATV	Performance capability, safety	License required in some states
Golfing	Technique	Usually a fee is required
Hang gliding	Coordination, safety	Certification from hang gliding school
Hiking	Map reading, physical fitness	None
Horseback riding	Saddling, caring for a horse, safety	None
Hunting	Knowledge of outdoors, safety	Hunting license
Jogging/walking	None	None
Lawn games such as volleyball, badminton	Various techniques	None
Picnicking	None	None
Rock/mountain climbing	Climbing techniques, safety	Certain areas require permits
Scuba diving	Swimming safety	Scuba diving certification
Sight-seeing	Map reading	None
Snow skiing	Balance, technique, endurance, safety	None, a fee may be required
Surfing	Balance, safety	None
Swimming	Swimming technique, safety	None, a fee may be required
Tennis	Balance, technique, endurance	None
Water skiing	Balance, technique, safety	None

## Information Sheet

### Objective 4

#### Major factors increasing the demand and participation in outdoor recreation

##### Key term:

- **Leisure**—Unoccupied time during which one may indulge in rest or recreation
- a. **Leisure time**—As leisure time increases, participation in outdoor recreation increases.
  - b. **Income**—As individual income increases, the ability to pay for outdoor recreational equipment, area-use fees, transportation, and facility fees also increases.
  - c. **Mobility**—The ability of an individual to travel freely influences the participation in outdoor recreational activities. The automobile, available to most Americans, is the principal means of transportation to recreational destinations.

### Objective 5

#### Other factors affecting current and future participation in recreational activities

##### Key terms:

- **Disposable personal income**—Income above what is needed to buy life's necessities
  - **Life expectancy**—The average age at which people die
- a. **Age**—More Americans are retiring at an earlier age. Less than 1 in 4 wait until age 65 to retire.
    - **Life expectancy** is increasing because of better health care and environmental conditions.
    - Early retirement and increased life expectancy increases leisure time for senior citizens resulting in a greater demand for outdoor recreation facilities.
  - b. **Disposable personal income (DPI)**—Has decreased in the past 20 years.

Note: Recently the share of DPI going to recreation was 6.4%.
  - c. **Physical disability**—56% of people with physical disabilities are limited by mobility which prevents their participation in outdoor recreation. As accommodations for the physically challenged improve, participation in outdoor recreation will follow.
  - d. **Women**—As more women join the work force, advance toward economic equity, and have more leisure time, they will be more active in outdoor recreation and will likely become leaders in recreational activity trends.

## Objective 6

### Considerations when selecting an outdoor recreation area

#### Key terms:

- **Concessions**—The right to sell food, supplies, or equipment at a park or event
- **Cultural event**—Events or programs which train and refine the mind
- **Facility**—A structure or convenience which allows something to be done more easily or enjoyably
- **Scenic**—View or landscape having natural beauty

a. Natural beauty (An area with outstanding **scenic** qualities)

b. Amount of crowding

Note: Many people travel to recreational areas to get away from crowds.

c. Sanitation **facilities** (clean and convenient)

d. Parking availability

e. Available information (information centers, brochures, signs)

f. Picnic areas (clean and convenient)

g. **Cultural events**

h. User fees

Note: Fees are used primarily to improve facilities, but can be instrumental in reducing overcrowding.

i. **Concessions**

j. Organized sports or competitive events

k. Guided activities

## Information Sheet

### Objective 7

### Reasons why people participate in outdoor recreation

**Key term:**

- **Stress**—Tension, strain, or force exerted upon a body

Note: These are grouped to show percentage of composition.

Reason	Percentage
<b>Fitness</b> <ul style="list-style-type: none"> <li>• To obtain or maintain good health from physical exercise</li> <li>• To enjoy fresh air and sunshine</li> <li>• To reduce stress</li> <li>• To lose weight</li> </ul>	10%
<b>Social</b> <ul style="list-style-type: none"> <li>• For relaxation with other people</li> <li>• To be with friends</li> <li>• To make friends</li> <li>• So the family can be together</li> <li>• To have fun</li> </ul>	33%
<b>Excitement</b> <ul style="list-style-type: none"> <li>• To break the monotony of daily routines</li> <li>• For competition in outdoor recreation activities</li> <li>• For excitement in doing unusual things</li> <li>• To experience the risk and danger involved</li> <li>• To develop new skills</li> </ul>	16%
<b>Experience self and nature</b> <ul style="list-style-type: none"> <li>• To be alone</li> <li>• To experience nature</li> <li>• To view the scenery</li> <li>• To test self endurance, limitations, and character</li> <li>• To watch wildlife</li> </ul>	33%
<b>Conformist</b> <ul style="list-style-type: none"> <li>• Because everyone else is doing it</li> <li>• To get away from a cramped environment</li> </ul>	8%

**Objective 8**

**Agencies responsible for public lands, recreation areas, and employment in outdoor recreation**

- a. U.S. National Park Service
- b. U.S. Forest Service
- c. U.S. Army Corps of Engineers
- d. U.S. Bureau of Reclamation
- e. U.S. Bureau of Land Management
- f. U.S. Fish and Wildlife Service
- g. State park services
- h. State recreation and tourism departments
- i. State fish and game departments
- j. Regional, county, and city parks
- k. Private recreational areas
- l. Private recreational businesses

**Objective 9**

**Employment opportunities in outdoor recreation**

- a. Business management—Managing a business
- b. Entertainment—As applied to outdoor recreation, this would be in the form of nature programs, outdoor plays, or musical entertainment
- c. Enforcement—As a park ranger, lake ranger, or game warden, conflict resolution
- d. Equipment operation—Truck drivers or operators of tractors, chain saws, lawn mowers, string trimmers, water pumps, and electric motors
- e. Ground care—Landscaping, grass trimming, camp site cleaning, trail building, and facility repair
- f. Guide service—Hunting or fishing guide, hiking guide, canoeing and rafting, horseback riding, and sight-seeing
- g. Instruction—Golf, hang gliding, scuba diving, surfing, wind surfing, swimming, tennis, snow and water skiing
- h. Recreation manager—Managing a recreational area or activity
- i. Rental—Paying for the use of recreational equipment
- j. Safety—The instruction of safety procedures or first aid

## Information Sheet

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### Objective 10

- k. Sanitation—Maintaining the sanitary facilities such as garbage, restrooms, pest control, trailer dump facilities, and general cleanliness
- l. Wildlife management—Control and improvement of wildlife numbers

### **Business opportunities in outdoor recreation**

- a. Contractual
  - Grounds care
  - Landscaping
  - Sanitation
- b. Bait shop
- c. Dude ranch
- d. Equipment maintenance
- e. Equipment sales
- f. Fish farms
- g. Guide service
  - Hunting
  - Fishing
  - Hiking
  - Canoeing/rafting
  - Horseback riding/pack train
  - Rock/mountain climbing
  - Scuba diving
  - Sight-seeing
- h. Hunting preserve
- i. Instruction and sales
- j. Excursion boat
- k. R.V. campground
- l. Equipment rental
- m. Sporting good store
- n. Travel agent
- o. Youth camp