



- ❑ 4. Know the shapes and names of at least eight track plan arrangements.

1. \_\_\_\_\_

5. \_\_\_\_\_

2. \_\_\_\_\_

6. \_\_\_\_\_

3. \_\_\_\_\_

7. \_\_\_\_\_

4. \_\_\_\_\_

8. \_\_\_\_\_

- ❑ 5. Know at least six points to check for the maintenance of a model railroading layout.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

- ❑ 6. Identify and explain the use of:  
Five types of freight cars

Types Identified

Use

- |          |       |
|----------|-------|
| 1. _____ | _____ |
| 2. _____ | _____ |
| 3. _____ | _____ |
| 4. _____ | _____ |
| 5. _____ | _____ |

Three types of passenger cars

Types Identified

Use

- |          |       |
|----------|-------|
| 1. _____ | _____ |
| 2. _____ | _____ |
| 3. _____ | _____ |

Three types of steam engines according to their wheel arrangement

Types Identified

Use

- |          |       |
|----------|-------|
| 1. _____ | _____ |
| 2. _____ | _____ |
| 3. _____ | _____ |

Two types of grade crossing warning devices

Types Identified

Use

- |          |       |
|----------|-------|
| 1. _____ | _____ |
| 2. _____ | _____ |

Two types of railroad signals

Types Identified	Use
1. _____	_____
2. _____	_____

Five types of railroad-related buildings or structures

Types Identified	Use
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____

7. Know the meaning of the following model railroad terms:

Ballast \_\_\_\_\_  
\_\_\_\_\_

Blind drivers \_\_\_\_\_  
\_\_\_\_\_

Block \_\_\_\_\_  
\_\_\_\_\_

Bolster \_\_\_\_\_  
\_\_\_\_\_

Crossing \_\_\_\_\_  
\_\_\_\_\_

Crossover \_\_\_\_\_  
\_\_\_\_\_

Double header \_\_\_\_\_  
\_\_\_\_\_

Draft gear \_\_\_\_\_  
\_\_\_\_\_

Flange \_\_\_\_\_  
\_\_\_\_\_

Frog \_\_\_\_\_  
\_\_\_\_\_

Gap \_\_\_\_\_  
\_\_\_\_\_

Gauge \_\_\_\_\_  
\_\_\_\_\_

Grade \_\_\_\_\_  
\_\_\_\_\_

Gravity yard \_\_\_\_\_  
\_\_\_\_\_

Hot box \_\_\_\_\_  
\_\_\_\_\_

Insulated rail joiner \_\_\_\_\_  
\_\_\_\_\_

Journal \_\_\_\_\_  
\_\_\_\_\_

Layout \_\_\_\_\_  
\_\_\_\_\_

Mainline \_\_\_\_\_  
\_\_\_\_\_

Prototype \_\_\_\_\_  
\_\_\_\_\_

Rail joiner \_\_\_\_\_  
\_\_\_\_\_

Reverse loop \_\_\_\_\_  
\_\_\_\_\_

Siding \_\_\_\_\_  
\_\_\_\_\_

Spur \_\_\_\_\_  
\_\_\_\_\_

Switch \_\_\_\_\_  
\_\_\_\_\_

Machine \_\_\_\_\_  
\_\_\_\_\_

Talgo truck \_\_\_\_\_  
\_\_\_\_\_

Talgo truck \_\_\_\_\_  
\_\_\_\_\_

Turnout \_\_\_\_\_  
\_\_\_\_\_

Two-rail \_\_\_\_\_  
\_\_\_\_\_

Wye \_\_\_\_\_  
\_\_\_\_\_

Y switch \_\_\_\_\_  
\_\_\_\_\_

Yard \_\_\_\_\_  
\_\_\_\_\_

- 8. Construct a portion of a model railroad layout. In your construction, do the following:
  - a. Assist in assembling the framework
  - b. Install a section of ballast
  - c. Install a section of track
  - d. Install at least one turnout, including the wiring
  - e. Assist in making scenery, such as trees, rocks, mountains, or grass
  - f. Make one model railroading building or structure
  - g. Assist in the wiring to supply electrical power to the tracks
- 9. Successfully operate a model railroad train on the layout you have assisted in building.

Date completed \_\_\_\_\_

Instructor's Signature \_\_\_\_\_