



# Theatre Virtual Learning

## Introduction to Theatre Design & Production Lighting Design

**April 13, 2020**



Lesson: April 13, 2020

**Objective/Learning Target:**

Students will review basics of lighting terminology and equipment.

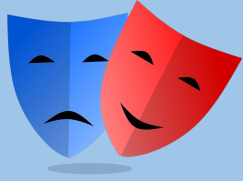
# The Basics of Lighting

## Let's Get Started / Warm Up Activities:

While watching the Dear Evan Hansen performance from the Tony Awards, think of the role lighting plays in telling the story.



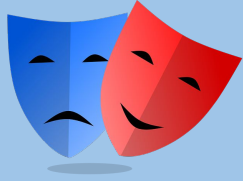
[Dear Evan Hansen: Waving Through a Window](#)



## Lesson/Activity

In the previous lessons, you learned a lot of new information on lighting terminology and instruments. Today let us review the information!

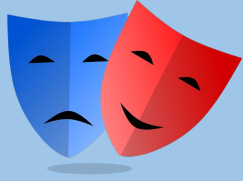
1. On each slide there will be multiple questions. Using a piece of paper, do your best to answer each. Make sure you label the numbers.
2. You will then have the answers to check your learning.



# Practice

1. Is this an example of motivational or non-motivational lighting?

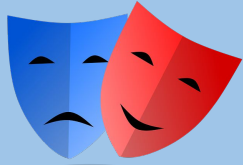




# Practice

2. Is this an example of motivational or non-motivational lighting?

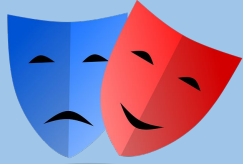




# Practice

3. Is this an example of motivational or non-motivational lighting?



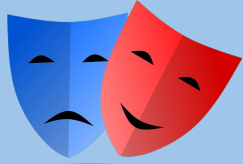


# Practice

4. Is this an example of motivational or non-motivational lighting?



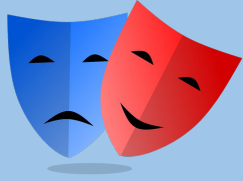




# Practice

5. Is this an example of motivational or non-motivational lighting?

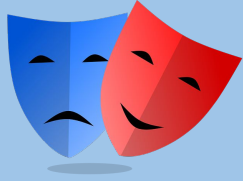




# Practice Answers

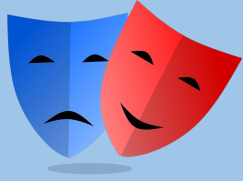
Check your answers:

1. Motivational--The light is clearly coming through the windows as a specific light source.
2. Non-motivational because there is not a specific light source. The stage is just lit for visibility.
3. Motivational because the light is coming primarily from the doorway.
4. Motivational. Although there is blue lighting in front of them, the main light source of warm key light is from the light behind the table.
5. Non-motivational because there is not a specific light source. The stage is lit for visibility and to establish a mood.



# Practice

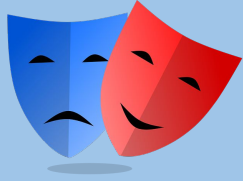
6. What is the purpose of a key light?
7. What is the purpose of a fill light?
8. What is the purpose of lighting from behind?
9. Which of the following instruments must be colored with a light gel?  
Fresnel, Ovation Cyc, ERS, PAR, LED Batten light
10. Which types of instruments (there are 2) need to be focused by using barn doors?



# Practice Answers

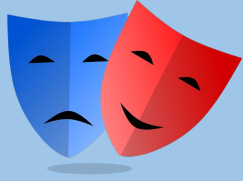
Check your answers:

6. It is the main warm light on the area that represents the main light source.
7. This fills in the shadows created by the key light.
8. This is to give dimension to the items on stage.
9. The Fresnel, ERS, & PAR all require gel. The other 2 are LED instruments and their color will be determined by the light console.
10. The Fresnel and the PAR use barn doors to direct their beam of light.



# Practice

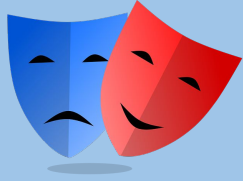
11. Which types of instruments (there are 2) are used for key and fill lighting?
12. When referring to color, what is the main difference between LED lights and regular halogen lights such as ERS, Fresnel, & Scoop?
13. Which types of instruments (there are 2) are used as footlights?
14. Which instrument is a great, low wattage replacement for the high wattage halogen cyc light?
15. Which instrument can a gobo be used in?



# Practice Answers

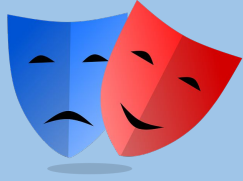
Check your answers:

11. The ERS and Fresnel are used for key and fill lighting.
12. The LED lights have all of their colors controlled by the light board and they can change colors easily. The halogen lights must have only one color of gel in them. NOTE: There are gel changers, but they are rare and expensive. They also have a limited number of colors they hold.
13. The striplight and the LED batten lights can both be used as footlights in different theatres.
14. The LED Ovation Cyc Light is the best replacement.
15. A gobo is used in an ERS



# Practice

16. Which instrument has to be connected to different circuits so that the colors can be controlled separately?
17. Which instrument has a long throw and is used for key and fill lighting?
18. Which instrument is hung from the electrics and used for key and fill lighting?
19. What instruments (there are 3) could be used to light a drop, scrim or cyc?
20. What instrument is focused with its internal shutters



# Practice Answers

Check your answers:

16. The striplight

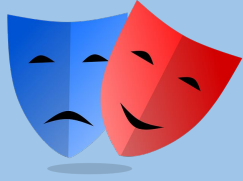
17. ERS

18. Fresnel

19. Scoop, Cyc, or LED Ovation Cyc

20. ERS

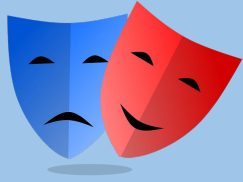




# Practice

21. What type of instrument is this?

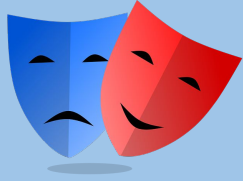




# Practice

22. What type of instrument is this?

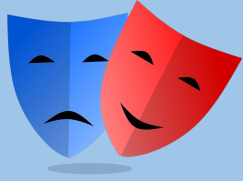




# Practice

23. What type of instrument is this?

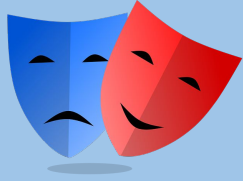




# Practice

24. What type of instrument is this?





# Practice Answers

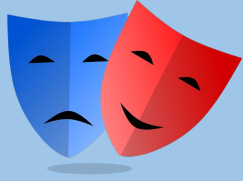
Check your answers:

21. LED Ovation Cyc

22. Scoop

23. ERS

24. Fresnel



CONGRATS! How did you do?

