

## Activity 1.8

# Fundamentals of Construction

## INTRODUCTION

There are two basic types of **construction** : commercial and **residential** . Commercial construction includes buildings like schools, stores, factories, businesses, etc. Residential construction is where people live, for example condominiums, apartment buildings, and homes.

In this activity you will learn about residential construction.

## RESOURCES

 [7\\_1\\_8\\_A\\_FundamentalsConstruction.pptx](#)

## Procedure

- 1 Complete the questions below as your teacher shows the Fundamentals of Construction presentation.



**Fundamentals of Construction**  
Gateway – Unit 7 – Green  
Architecture

This PowerPoint can be found as a link on our class homepage....it is saved as a PDF

2

Complete the Conclusion questions in your notebook.

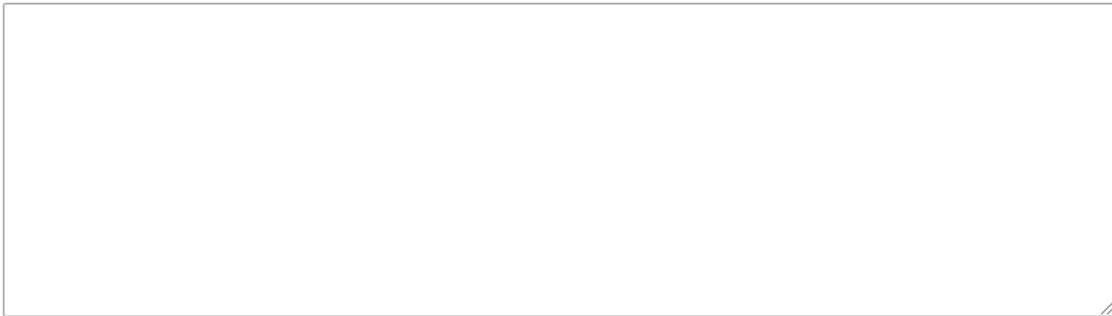
## Fundamentals of Construction

---

1. What is construction?
2. What is the difference between commercial and residential construction?
3. List and describe the five basic parts of a house.



4. What systems are found in a house? List examples next to the system.



5. What is the purpose of a roof system?

6. Label the roof types in your notebook.

PLEASE BE SURE TO WATCH THE SHORT VIDEO ON THE HOMEPAGE



7. List the common areas of a residential home and examples of rooms that can be found in that area.

8. How is “green” energy used in a house?

---

## 9. Types of Drawings

a. Plot Plan –

b. Foundation Plan –

c. Floor Plan –

d. Elevations –

e. 3D Views –

f. Systems –

g. Construction Details –

### CONCLUSION

- 1 Why are so many different types of drawings necessary when building a structure?
- 2 Describe the careers of three different people who may be used to build your home.
- 3 Which type of drawing will give you the best idea of what your house looks like as you drive by on the road?
- 4 Which type of drawing shows the locations and sizes of each room?