

Roof Framing Unit Final Test

Part One

Directions: Fill in the missing words in each sentence using the word bank. Each term will be used once.

1. The end of the rafter that extends beyond the seat-cut is known as the _____, and makes up the eave, or overhang of the roof.
2. The angle, or slope of a roof is referred to as the _____, which is noted as the inches of vertical rise over 12 inches of horizontal run.
3. This horizontal framing member forms the peak of the roof. It is what we nail the top of the rafters to. It is the _____.
4. The Bird's Mouth, or _____ is the point where a rafter attaches to the double top plate of a wall.
5. The roof framing equivalent of the stud, the _____ is the primary load-bearing member of a conventionally stacked roof.
6. _____ and _____ are ways we create triangulation (thus greater strength) in conventionally stacked roofs.
7. We make a _____ at the top of a rafter where it is to be nailed to the ridge.
8. The two types of roof framing used in residential construction are the _____ and the _____.
9. Twisting, bending, or pulling forces are referred to as _____ forces.
10. Trusses are assembled using either metal _____, or plywood _____ to connect the joints.
11. The _____ truss is the most commonly used truss shape in residential construction.
12. The members of a truss that fit between the chords are referred to as the _____.
13. If you preferred vaulted (angled) ceilings in your home instead of flat ceilings, you would use a _____ truss.

Conventional Stack
Ridge
Collar Ties
Gang-Nail Plates
Truss
Compression
Seat Cut
Pitch
Fink / W
Tail
Gable
Plumb Cut
Chords
Tension
Hip
Rafter
Ceiling Joists
Webs
Gussets
Scissors

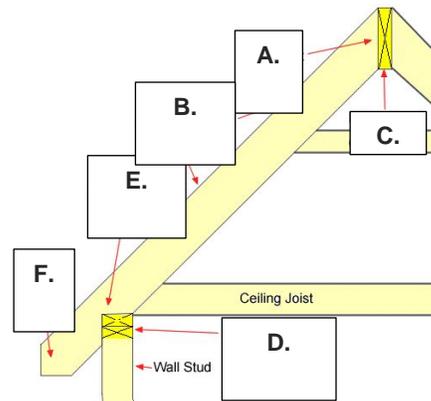
14. The two most common **roof styles** in Southern California are the _____ and the _____.
15. The top and bottom members of a truss are referred to as the _____.
16. A framing member that experiences crushing forces is said to be under _____.

Part Two

Match the components of each diagram with its correct term.

Conventional Stack:

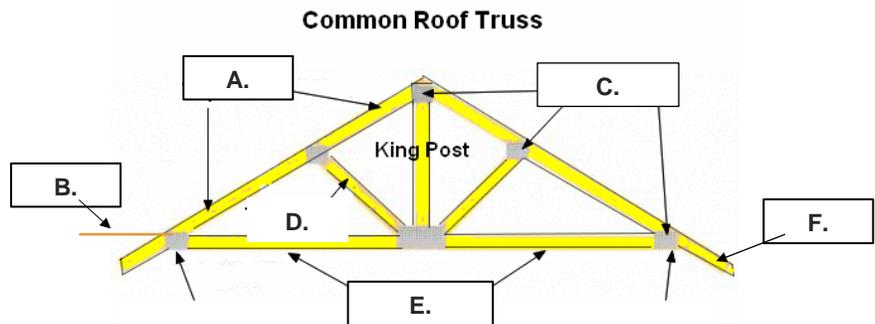
1. _____ ridge
2. _____ rafter
3. _____ rafter tail
4. _____ bird's mouth
5. _____ double top plate
6. _____ plumb-cut



Match the components of each diagram with its correct term.

Truss:

7. _____ webs
8. _____ top chord
9. _____ bottom chord
10. _____ tail
11. _____ gusset/gang-nail
12. _____ heel



Directions: Identify the following types of trusses.

13. _____ fink
14. _____ scissors
15. _____ gable

