Doors and Windows

Text, Pages 319–351		
Name		~ ~ ~
Course	_ Date	Score
Part I: Multiple Choice Select the best answer and write the corresponding lett	ter in the space	e provided.
1. Which of the following is a type of interior door?	1	
A. Awning.B. Double-action.C. Clerestory.D. All of the above.		
2. Metal bi-fold doors are usually thick a commonly used as closet doors.	and 2	
A. 1" B. 1-1/8" C. 1-1/4" D. 1-1/2"		
3. Sliding or bypass doors are:	3	
A. Used frequently for large openings.B. Not subject to warping.C. Limited to two doors for each opening.D. All of the above.		
4. Double-action doors are:	4	
 A. Used for large openings. B. Hinged to swing through an arc of 180°. C. Made of metal and usually 1" thick. D. All of the above. 		
5. Accordion doors:	5	
A. Require little space.B. Are produced in a large variety of materials and designs.C. May use individual hinged panels.D. All of the above.	d	, *

6. Exterior glass doors are:	6
A. Usually hollow cored.B. Frequently used between kitchens and dining rooms.C. Thicker than interior doors.D. None of the above.	
7. Door jambs used in residential construction are:	7
A. Usually made of bronze.B. Composed of two side jambs and a head jamb.C. 1-3/4" thick for exterior doors and 1" thick for interior doors.D. All of the above.	
8. Which of these statements should you follow when planning the windows for a dwelling?	8
 A. To gain the maximum amount of light possible, place primary windows on the west. B. Four small windows will yield less contrast than one large window. C. Glass area equal to at least 20% of the floor area should provide adequate natural light. D. The best distribution of light is achieved by placing all of the windows on one wall. 	
9. To provide ample ventilation in a home:	9
A. The openings for ventilation should be at least 10% of the floor area.B. Windows should be placed to receive prevailing breezes.C. Plan the location of windows for the best movement of air across a room.D. All of the above.	
10. Windows of the same general type purchased from different manufacturers will seldom have:	10
A. Different specifications.B. Uniform specifications.C. Specifications that are not important to the designer or contractor.D. None of the above.	
11. The rough framed space in the wall needed to install the window is the:	11.
A. Glass size.B. Basic unit.C. Rough opening.D. Sash opening.	

Name	
12. Casement windows have side-hinged sashes that swing out and may be opened or closed by:	12
A. Handles on the sash.B. Push-bars on the frame.C. Cranks.D. All of the above.	
13. Which of the following lines should be used to show the hinge positions on a hinged window?	13
A. Dashed line.B. Object line.C. Short break line.D. Section line.	
14. Which of the following statements best represents hopper windows?	14
A. Hopper windows rarely interfere with the interior space.B. Hopper windows are more efficient when placed low on the wall because they direct air upward.C. Hopper windows swing outward.D. Hopper windows are difficult to operate and maintain.	
15. Picture windows may:	15
A. Be opened to provide ventilation.B. Require custom-made screens.C. Be large fixed glass units used with other window types.D. None of the above.	
16. The side units in a bay window are normally placed at to the exterior wall.	16
A. 90°B. 60°C. 45°D. None of the above.	
17. Bow window units normally use from casement units to form the arc.	17
A. three to sixB. four to sevenC. five to eightD. Any of the above.	. ·

windows?	
A. They are placed high on the wall.B. They are often installed in the roof of a dwelling.C. They are typically fixed windows.D. None of the above.	
Doub II. Committee	
Part II: Completion Complete each sentence with the proper response. Place yo	our answer on the space provided.
1. Interior flush doors are normally covered with 1/8" plywood of mahogany or and are smooth on both sides.	1
2. Pocket doors are a variation of the sliding door and are often used between the and dining room.	2
3. Accordion doors are available in wood,, and plastics.	3
4. The top half of a(n) door may operate separately from the bottom half.	4
5. Exterior flush doors are commonly 1-3/4" thick and high.	5
6. Exterior panel doors are produced in white pine, fir, and various other woods.	6
7. To provide for an automatic garage door opener, allow extra headroom above the open door to mount the on the ceiling.	7
8. The information listed in the door schedule is obtained from	8
9. In frame construction, the space between the jamb and rough framing is covered with trim called	9
10. A(n) is placed at the bottom of the door opening between the two side jambs. It drains water away from the door.	10
11. Construction details of windows and doors are normally drawn in through the head jamb, side jamb, and sill.	11.
12. Extremely bright areas and dark corners are eliminated by proper design and placement of	12.
13. A shallow penetration of light over a broad area can be achieved by using short, windows.	13
14. A thin, deep penetration of light can be achieved by using tall, windows.	14
15. Windows placed high on the wall result in a degree of light penetration into the room.	15

18. _____

18. Which of the following is a characteristic of clerestory

Na	ime	
16.	Areas of large glass will make the room size appear	16
17.	Three common materials used in the manufacture of window frames are wood,, and plastics.	17
18.	Window sashes are held in place by devices or are counterbalanced.	18
19.	The overall dimensions of the window unit represent the unit size.	19
20.	Narrow, horizontal glass slats are the components of a window.	20
21.	windows are circular windows typically installed above another window.	21
22.	windows may be custom made in various shapes and sizes from window manufacturers.	22
23.	Casement windows are usually placed degrees to the exterior wall in a box bay window.	23
24.	Most skylights are in shape to fit between roof trusses; custom-made units are possible to accommodate most any design situation.	24
	rt III: Short Answer/Listing ovide brief answers to the following questions.	
1.	Which materials are commonly used for the panels of pa	nel doors?
2.	List one advantage and two disadvantages of pocket doc	ors.
3.	Where are French doors often used?	
4.	What are the basic differences between interior and exter-	rior doors?
5.	Name the two most frequently used garage door widths	in residential construction.
6.	Where would a door schedule be found in a set of drawi	ings?

7.	What is the purpose of a door jamb?		
8.	Why are rough openings framed with extra space in the length and width for interior doors?		
9.	Which materials are most commonly used in the construction of window and door sills?		
10.	List three factors you should consider when planning the location of a window to take advantage of a pleasing view.		
11.	When selecting windows, first consider the interior requirements. However, what can be done to improve the outside appearance of the home and add to the continuity of the exterior design?		
12.	What is meant by the sash opening?		
13.	When would it be wise to draw a section of the support mullion?		
l4.	List four variations of circle top windows commonly used in residential construction.		
15.	List the specific information commonly found on a window schedule		

	rt IV: Matching atthetion the correct term with its description listed	hel	ow Plac	e the corresponding letter on the
	ace provided.	DCI	ow. Tiuc	is the corresponding letter on the
	A. Awning.B. Brick mold.C. Drip cap.D. Double-hung.E. Fixed.F. Glass size.	H. I. J. K.	Glider. Mullion Muntir Prehun Rails. Stiles.	
1.	Vertical members of a panel door.			1.
2.	Horizontal members of a panel door.			2
3.	Units consisting of the jamb and door ready for lation.	ins	stal-	3
4.	A strip used in frame construction to shed wat a door or window.	er o	over	4
5.	Used in a masonry wall to cover the space betw jamb and the rough framing.	een	the	5
6.	Windows with two sashes that slide up and d grooves.	OW!	n in	6
7.	Small or thin vertical or horizontal bars that dividinglass area into smaller sections.	ide	the	7
8.	Vertical or horizontal components that divide vunits.	vino	dow	8
9.	Comparable to the inside sash dimensions.			9
10.	Also known as horizontal sliding windows.			10
11.	Top-hinged windows that swing out at an angle	e.		11.
12.	Circle top, picture, and random-shaped windo examples of this window type.	ws	are	12.

Name _____

Part V: Problems/Activities Directions: Draw a plan view symbol for each of the door types specified below. FLUSH OR PANEL DOOR BI-FOLD DOORS PUTCH POOR ACCORPION DOOR POCKET DOOR SLIPING (BYPASS) DOORS POUBLE-ACTION POOR FRENCH DOORS EXTERIOR PANEL POOR SLIPING GLASS POOR

GARAGE POOR

SCALE: 1/4"=1'-0"

PLAN VIEW DOOR SYMBOLS

NAME:

DOUBLE-HUNG WINDOW	AWNING WINDOW
CASEMENT WINDOW (TWO SASH)	FIXED WINDOW
HORIZONTAL SLIPING WINPOW	HOPPER WINDOW
Pouble-Hung 45° B	PAY WINDOW

