Safe Waters Independent Study Week 1

Assignment:

Guard

- ➤ Read Chapters in the study guide on Nautical Charts, Magnetic Compass, Aids to Navigation.
- Read handout on Ships Construction and Terminology
- > Answer the following Questions

	the Compass problems
1. A mooring buoy, if lig a. yellow b. white c. blue d. any color exce	hted, shows which color light? ept red or green
2. The light rhythm of M a. preferred chan b. starboard or po c. special marks d. safe water buc	ort-side markers
3. Variation information a. center of the c b. indicated by is c. found in notes d. all of the above	ogonic lines on the chart
a. compass northb. the direction of c. magnetic north	f the vessel's heading
under a. existing visibility b. perfect visibility c. existing visibility	ty conditions, limited only by the curvature of the earth y conditions, limited only by the curvature of the earth ty conditions, limited only by the intensity of the light y conditions, limited only by the interference lighting.
	rning new editions of Light Lists? o new editions are issued monthly by the U.S. Coast

b. new editions are published by the National Ocean Surveyc. new editions are corrected through the date shown on the title paged. none of the above7. On navigational aids, what does the light	
7.characteristic FL (2+1) mean? a. a flashing light combined with a fixed light of greater brightness b. light flashes combined in groups, with a different number of flashes in each group c. a light showing groups of two or more flashes at regular intervals	
 d. a fixed light varied at regular intervals by groups of two or more flashes of greater brightness 	3
8. A special purpose buoy shall be a. lighted with a white light b. striped black and red c. lighted with a red light d. yellow	
 9. To predict the actual depth of the water using the Tide Tables, the number obtained from the tables is a. the actual depth b. added to or subtracted from the charted depth c. multiplied by the charted depth d. divided by the charted depth 	
 10. Information about the currents on the Atlantic Coast of the US. is found in the a. Nautical Almanac b. Tidal Current Tables c. Ocean Current Tables d. Tide Tables 	
 11. As you enter a channel from seaward in a U.S. port, the numbers on the starboard side buoys a. decrease and the buoys are black b. increase and the buoys are green c. decrease and the buoys are red d. increase and the buoys are red 	
12. Stormy weather is usually associated with regions of a. low barometric pressure b. high barometric pressure c. steady barometric pressure d. changing barometric pressure	

13.	The cloud formation indicated by #9 in the diagram DO 39 NG is what type of cloud? a. stratocumulus b. cirrus c. cumulonimbus d. cumulous
14.	Your vessel has been damaged and is taking on water, but you do not need immediate assistance. You would preface a message advising other vessels of your situation with a. mayday, mayday, mayday b. pan-pan, pan-pan, pan-pan c. security, security, security d. SOS, SOS, SOS
15.	When communicating on the radiotelephone using plain English, what procedure work indicates the end of my transmission and that a response is not necessary? a. out b. over c. roger d. wilco
16.	Buoys are marked with reflective material to assist in their detection by searchlight. Which statement is TRUE? a. all safe-water buoys will display red and white vertical stripes of reflective material b. all reflective material is white because it is the most visible at night c. a special purpose mark will display either red or green material to agree with its shape d. a preferred-channel buoy displays either red or green reflective material to agree with the top band of color
17.	Information for updating nautical charts is primarily found in the a. Local Notice to Mariners b. Coast Pilots c. Nautical Chart Catalogue d. Sailing Directions
18.	The datum used for sounding on charts of the east coast of the United States is a. mean low water springs b. mean low water c. mean lower low water d. half tide level

- 19. Mean high water is the reference plane used for
 - a. all vertical measurements
 - b. height above water of land features such as lights
 - c. sounding on the east and west coasts
 - d. water depths on the east coast only
- 20. The chart edition date is printed
 - a. top center

C

250

- b. lower left corner
- c. part of the chart title
- d. any clear area around the neat line

Perform the following TVMDC conversions.

