BoatUS Foundation
Boating Equipment - Chapter 2 Worksheet

A U.S. Coast Guard-approved life jacket is the single most important piece of safety equipment on your boat. The majority of boating fatalities are due to drowning and approximately 90% were not wearing a life jacket. (TRUE / FALSE)

The best kind of life jacket is the one that you ____________________________!
(FILL IN THE BLANK)

In my State of __________________________, children under the age of ______________ are required to wear a life jacket when _________________________________.
(FILL IN THE BLANKS)

Match the type of personal flotation device to the typical performance it provides for the intended user. (MATCHING)

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type I</td>
<td>Also known as a throwable device and not to be worn</td>
</tr>
<tr>
<td>Type II</td>
<td>Not designed to turn an unconscious person face up</td>
</tr>
<tr>
<td>Type III</td>
<td>Will turn most unconscious wearers face up</td>
</tr>
<tr>
<td>Type IV</td>
<td>Also known as a special use wearable device</td>
</tr>
<tr>
<td>Type V</td>
<td>Will turn some unconscious wearers face up</td>
</tr>
</tbody>
</table>

An inflatable life jacket must be worn to meet federal carriage ____________________ and is not guaranteed to turn an unconscious wearer ______________. Inflatable life jackets use a ___________ cylinder to inflate the life jacket. Some inflate ________________ when in the water while others are activated by pulling a _____________________________. Some are designed to be worn around the _______________ and others are worn over the ___________________________. (FILL IN THE BLANKS)
Think about the length of boat you typically operate. What is legally required to have aboard? If you don’t own a boat yet, list the equipment that is required for 20’ bow rider with an inboard engine as an example.

a. Number of life jackets required _________________________________________
b. Number of throwable devices required _________________________________
c. Number of fire extinguishers required _________________________________
d. Number/type of visual distress signals required __________________________
e. Number/type of sound producing devices required _______________________
f. Is a mechanical bilge-ventilation system required _______________________
g. Is a backfire flame arrested required _________________________________

Navigation lights are required to be displayed from ______________ to ______________ and at timed of reduced _______________. In addition to properly displaying your _______________, you are also responsible for knowing the type and heading of another _______________ by understanding and interpreting their _______________ pattern.

(FILL IN THE BLANKS)

If you are maneuvering around other vessels what do the following sound signals indicate? (MATCHING)

One short blast you are altering your course to starboard
Two short blasts you are backing up with stern propulsion
Three short blasts you are altering course to port
Five short blasts means danger and you should get out of my way

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If you see a steady white light it is most likely headed TOWARD / AWAY FROM you and if you see a red and green light at the same time it is most likely headed TOWARD / AWAY FROM you.  (SELECT ANSWER)

List some of the main uses of a very high frequency (VHF) radio.  (LIST) ____________________________________ ____________________________________ ____________________________________

All new fixed mount VHF radios manufactured today have DSC, also known as __________________________ __________________________ __________________________.  It has the equivalent of ___________________________ button that can be pressed in the event of an ___________________________.  When properly interfaced with a __________________________ it will automatically broadcast the vessel’s ____________________________.  To properly use your DSC radio you must register it and get an ________________________ number.  (FILL IN THE BLANKS)

Match the VHF channel with the intended function.  (MATCHING)

W1 a navigational channel or bridge to bridge
01 used to speak with the Coast Guard after initial contact
13 a working channel used to communicate with another boat
16 this channel is used automatically for DSC calls
22 ship to ship hailing and distress channel
68 reserved for weather broadcast information
70 a channel for commercial vessel interaction

Rank the following VHF radio calls in order of urgency from the most urgent to less urgent and summarize their meanings.  (RANK AND SUMMARIZE)  
_____ SECURITIE. __________________________ 
__________________________________
__________________________________

_____ MAY DAY. __________________________ 
__________________________________
__________________________________

_____ PAN-PAN. __________________________ 
__________________________________
__________________________________
Visual distress signals are either ___________________ or non-__________________. The purpose of visual distress signals is to attract ___________________ when you are in need of ___________________. They are only to be used in an ___________________.

(FILL IN THE BLANKS)

Name at least three of the more common types of non-pyrotechnic devices. (LIST)

__________________________________
__________________________________
__________________________________

After viewing the four videos on visual distress signals, in your opinion which device is the most effective during the daytime __________________________ and which device is the most effective during the nighttime __________________________ _________________. (FILL IN THE BLANK)

Some of the benefits of pyrotechnic visual distress signals are that they are completely safe, they never expire, they work when wet and are fun for all ages. (TRUE/FALSE)

Your State of ________________________ may require or recommend additional safety items. List a few of those items here: (LIST)

__________________________________
__________________________________
__________________________________
__________________________________
__________________________________
__________________________________
__________________________________
__________________________________

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