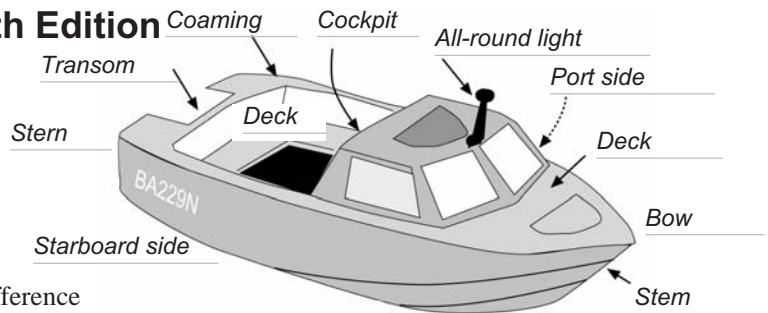


Chapter 1 Review questions - 4th Edition

1. Label the illustration of the boat opposite using the list of terms provided.

Bow, stern, port side, all-round light, stem, transom, deck, portside, starboard side, coaming, cockpit.



2. Explain how engine power contributes to the difference between planing and displacement hulls.

A planing hull will make a boat rise slightly out of the water so that it is gliding over the water rather than ploughing through it. It requires power to get the boat to planing speed. The displacement hull only needs a small amount of power to move due to the large amount of water displaced due to its larger size and load.

3. Which of the boats on page 5 would you take over a bar?

Deep V, twin engine, rigid inflatable, catamaran and tri-hull

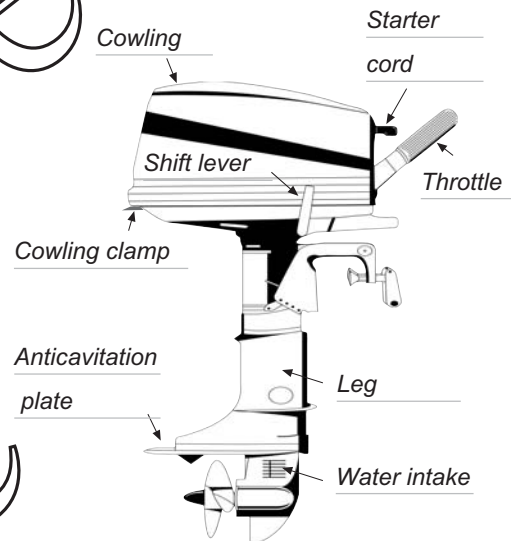
4. Give an example of how you would stow flares and jackets to meet you safety obligations.

Flares in a screw top drum

Life jackets in canvas bags

5. Label the illustration of the motor opposite using the list of terms provided

Starter handle, cowling, throttle, shift lever, cowling clamp, outboard leg, anticavitation plate, water intake.



6. What are three routine checks you could take to make sure your radio was in good operating order?

Battery fully charged and in good condition.

Battery terminals clean and leads intact.

Radio leads securely fixed to the battery.

Antennae and microphone plugged in properly.

7. Which is the best radio for short range communications. Give a reason for your answer.

VHF sets due to their better performance over 27MHz. Also less susceptible to engine noise.

8. List three pre-departure checks you should make on outboard fuel.

Check that you have clean fuel

Calculate how much fuel you need and make sure your tank


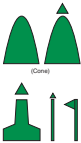






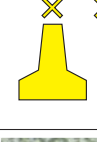


carries this amount

9. List any five things you should do with your boat after every trip

- *Keep a boat under cover or under a tarp to protect it from sun, rain, leaves and general weather. Wash down.*
- *Inspect for corrosion, cracks, wear and tear. Touch up with paint and wax.*
- *Check that the bungs are in good serviceable condition. Ensure bilges are clean and dry.*
- *Make sure the self draining holes are clear and grease the flaps if necessary.*
- *Keep the hull and decks clean and properly waxed. Patch any cracks.*
- *Keep aluminium and stainless steel parts clean and polished with a good metal wax.*
- *Check all screws, bolts and other fittings to keep secure.*
- *Flush engine with fresh water to minimise the formation of deposits that can clog cooling passages.*
- *Take off the engine cover, check connection sand spray with water repellent.*
- *Wash down the exterior of the boat and motor, and dry.*

Chapter 3 Review questions

1. Complete the following table.

Beacon	Day shape	Side to pass	Colour	Light colour	Flashing sequence
<p>Example</p>  <p>Port lateral mark</p>	Can	When going into port pass on port side	Red	Red	Various Check the chart
 <p>Starboard lateral mark</p>	Cone	When going into port or upstream pass on starboard side	Green	Green	Various
 <p>East cardinal Mark</p>	Two separated cones - top facing up, bottom facing down	Safe water to the east - consult chart	East is black/yellow/black. (cones point up and down)	White	3 flashes in a group
 <p>North cardinal Mark</p>	Two separated cones - both facing up	Safe water to the north - consult chart	North is black upper with yellow base. Direction of cones is north	White	Uninterrupted flash
 <p>South cardinal Mark</p>	Two separated cones - both facing down	Safe water to the south - consult chart	South is black base with yellow upper. (cones point down)	White	6 flashes in a group + 1 long flash
 <p>West cardinal Mark</p>	Two separated cones - both facing inwards	Safe water to the west - consult chart	West is yellow/black/yellow. (cones point into centre)	White	9 flashes in a group
 <p>Isolated Danger Mark</p>	The top mark has two black spheres positioned vertically and clearly separated.	Some type of local danger - wreck, shoal - consult chart	Two black balls separated clearly	White flash	The light comprises a white flash showing groups of two
 <p>Safe Water Mark</p>	Pair of vertical stripes and a red ball at the top.	Safe water beyond this point	Red and white vertical stripes. Ball is red	White flash	A white light followed by a period of darkness.
 <p>Special Mark</p>	The top carries a yellow cross	Consult your chart	Yellow cross	Yellow flash	Yellow flash other than that used for the white lights above
	You see a blue light under a bridge. What does this mean?				
	A blue channel mark. Keep to the right of the channel.				
	It is night time and you see two leads flashing as follows. What should you do and why?				
	These are leading lights. You are too far to starboard. Move to port but when in line keep to the right of the channel.				

Pages 72-73 answers - 3rd Edition

1. Describe how to back a trailer down a ramp and launch a boat safely.

Get the boat ready to launch in the carpark. Prepare the boat for launch - safety chain on winch.

Let the bearing in the trailer wheels cool before backing into the water. When launching make sure the bungs are in.

Check the brakes and have a block to secure the towing vehicle when on the ramp and remove the block when finished.

Have someone to assist you when the boat is in the water and you have to park the car.

2. Describe four common faults people make on a boat ramp.

Slip on ramp injuring body. No bow line on boat to hold as it comes off trailer - boat floats off to sea.

Not ready - boat does not come off trailer quickly

Motor does not start - was not checked at home

Lights left on trailer in the water

3. Draw a flow chart to show how you retrieve a boat from the water onto your trailer and back home.

1--> Drive up on beach near ramp or moor beside jetty. 2--> Mate get towing vehicle.

3--> Guide mate to tell when to stop trailer in water.

4--> Unwind winch, line up centre of boat with trailer, connect winch cable.

5--> Mate winds winch while you guide boat onto trailer (not standing in line with winch cable).

6--> Hook up safety chain and mate drives boat off ramp.

7--> In carpark prepare for taking home.

4. Describe any type of environmental impact that may occur at a boat ramp and how it could be reduced.

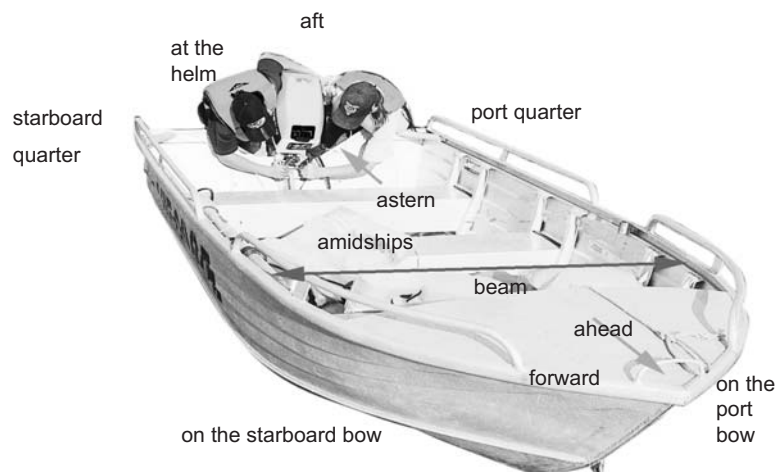
Spilt fuel and oil - make sure everything is secure

Rubbish not put in bin take rubbish home

Page 74 answer 3rd Edition

1. Use page 16 to identify the following places on a boat in the photograph on site

- forward, aft
- ahead, astern
- beam, amidships
- on the port bow, on the starboard bow
- on the port beam, on the starboard beam
- port quarter, starboard quarter
- at the helm



TRAILER TERMS AND OPERATIONS WORKSHEET

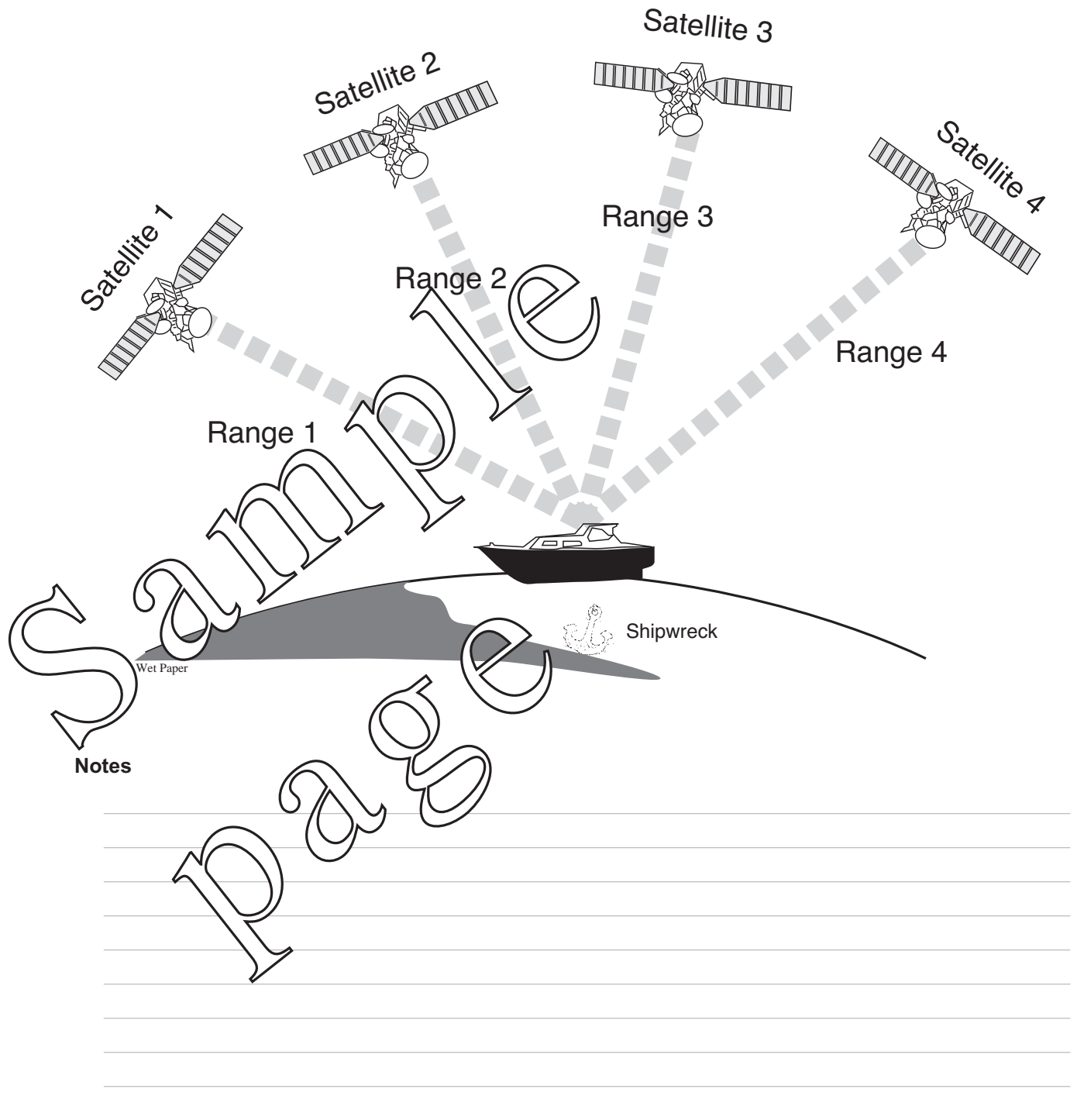
1. Complete the table below using the photographs on this page.

Number	Name	Safety feature
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		



2. Draw a flow chart to show the steps you would take to prepare to tow your trailer and boat to the boat ramp.

GPS tracking



Notes
