

Answer key

- 1
- 1 When did you transmit the message?
 - 2 Where did the accident take place?
 - 3 How did you activate the beacon?
 - 4 When did the boat strike the rock?
 - 5 Why did you inflate the life raft?
 - 6 When did the aircraft take off?

2 *Possible answers:*

When did ATC receive the emergency signal from the pilot?

Where was the plane at the time of the signal?

When did ATC lose radio contact with the plane?

How long did the radio silence last (for)?

Who did ATC contact?

Why did ATC contact the coastguard?

Where did the distress signal come from?

What data did the signal provide?/How did the signal help the rescue team find the plane?

What time did the rescue team catch sight of the plane?

When did they find the life rafts?

How many passengers survived?

- 3
- | | |
|--------------------|----------------------|
| 1 detached | 6 picked up/received |
| 2 floated | 7 send/transmit |
| 3 activated | 8 converted |
| 4 transmitted/sent | 9 locate |
| 5 receive/pick up | 10 found out |

- 4
- 1 who 2 where 3 which 4 where 5 which
6 who

- 5
- 1 Turn the bike over and place it upside down on the ground.
 - 2 Loosen the nuts that hold the wheel to the frame.
 - 3 Take the wheel out of the frame.
 - 4 Deflate the inner tube completely by pressing down on the inner part of the valve.
 - 5 Use two tyre levers.
 - 6 Push one lever in gently between the edge of the tyre and the rim of the wheel.
 - 7 Pull the edge of the tyre out over the rim.
 - 8 Leave this lever in position, and push the second lever between the tyre and the wheel rim.
 - 9 Slide this second lever around the wheel rim under the tyre edge.
 - 10 Detach the tyre and the inner tube from the wheel rim.

6 *Possible answer:*

First, the cause of the puncture is located. The inner tube is submerged in water to locate the hole. Next a small amount of air is pumped into the tube to look for bubbles from the hole. The location of the hole is then marked, and the tube is deflated completely. Now the area around the hole is rubbed with some rough material and a thin layer of glue is spread around the hole. The plastic backing is torn off from the patch, and the sticky side of the patch is placed firmly on the tube. Finally, the tube is slid back into the tyre, the tyre and tube are pushed into the wheel rim, and the tyre is re-inflated.