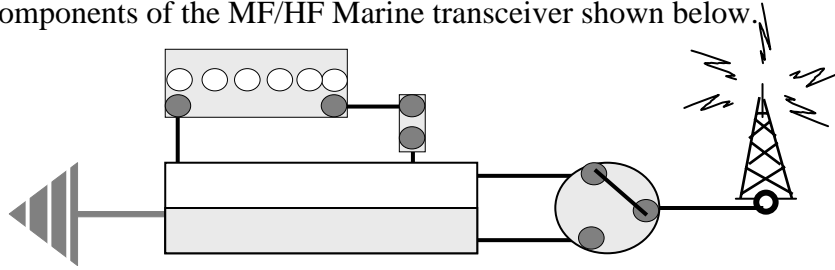


QUIZ NINE – RADIO MAINTENANCE - NAME:

1. Label the components of the MF/HF Marine transceiver shown below.



2. Name four hazards when working with marine batteries.

3. What S.G would you expect from a charged battery, a discharged battery, and one needing a charge.

4. What is the rule of order for attaching jumper leads to the terminals when working with batteries.

5. Complete the table below:

FAULT	SYMPTOM
	Nothing comes on, everything is dead
	Nothing comes on, everything is dead, fuse is OK
	Everything comes on, but transmit, receive and dial lights flicker
	Everything comes on, but on transmitting, dial lights dim and transmissions are not heard
	Everything comes on, after a few minutes everything goes dead After ten minutes it all comes on again and then goes dead
	You get an electric shock when you touch the MF/HF
	Everything comes on, you cannot receive anything and your transmissions are not heard
	Everything comes on, you can receive everything but your transmissions are not heard
	Everything comes on, you can receive everything but your transmissions are not heard

6. The electrolyte of a marine battery is:

- a. Hydrochloric acid and water
- b. Nitric acid and water
- c. Chlorine acid and water
- d. Sulphuric acid and water

7. When a fuse blows you should replace it with:

- a. A higher capacity fuse
- b. A lower capacity fuse
- c. The same capacity fuse
- d. A piece of rolled up silver foil

8. A cell of a battery that constantly requires to be topped up with electrolyte:

- a. Is breaking down
- b. Has a crack in the battery case around it
- c. Is receiving too much charge
- d. Is more powerful than the other cells.

9. Describe your periodic maintenance of your radio battery.

10. Describe your periodic maintenance of your radio antenna.
