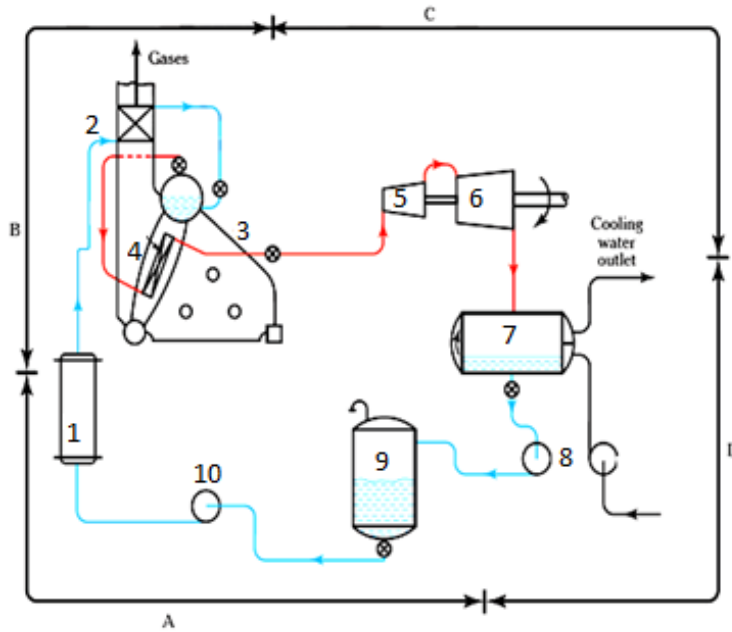






Look at the diagram and write what the numbers show: (15)


- 1.....2.....  
 3.....4.....  
 5.....6.....  
 7.....8.....  
 9.....10.....



Which auxiliary machinery is used for ...(15)

- Burning the garbage? I.....
- Increasing the temperature of fuel and improving its viscosity?  
H.....
- Operating the rudder for manoeuvring? S.....  
G.....
- Lowering lifeboats to sea? L.....G.....(or  
D.....)
- Supplying the ship with electrical power and lighting? D.....  
G.....
- Reducing the rolling of the ship? F..... S.....
- Providing forced ventilation to holds? V.....(F.....or  
B.....)
- Having distilled water? E.....
- Lifting heavy objects, containers, etc? C.....
- Removing water and dirty particles from fuel? O..... W..... S.....(  
or P.....)

STUDENT'S NAME.....


 Choose one of the following words to fill in the correct synonym or explanation. There is an extra word. (10)

malfunction	attemperator	gauge	combustion	inject	stationary
evaporate	fireproof	ignition	emission	saturated	

- ❖ Turn from liquid into vapour .....
- ❖ Irregular or abnormal function .....
- ❖ Force liquid into .....
- ❖ Measuring instrument .....
- ❖ Apparatus which decreases temperature .....
- ❖ Discharge of gas, heat, radiation .....
- ❖ Not affected by fire .....
- ❖ Filled with moisture .....
- ❖ Burning .....
- ❖ Fixed, not in motion .....

**Underline the correct word. (10)**

- ❖ The **economizer/ atomizer/ attemperator** is part of the oil burner which sprays the fuel.
- ❖ Water changes into steam in the **generating/ circulating/ downcomer** tubes.
- ❖ A vessel in which boiler feed water is heated under reduced pressure in order to remove dissolved air is **economizer/ condenser/deaerator**.
- ❖ In a 4 stroke Diesel Engine the piston is connected to the connecting rod with the **gudgeon/ crosshead/ crank** pin.
- ❖ The camshaft opens the valve with the help of the **connecting/ push/ tie** rod.
- ❖ The turbine bearings require special attention. They support the weight of the rotor and are adjusted to maintain a close **clearance/ principle/ separation** between the blades.
- ❖ The steam comes out of the **nozzles/ ports/ exhausts** at a high pressure.
- ❖ The piston rod reciprocates into and out of the **cylinder liner/ scavenge box/ stuffing box**.
- ❖ The walls and floor of the furnace have an **isolation/ insulation/ insurance** of brick walls.
- ❖ The cylinder block, the frame of the engine and the bedplate are connected together with the **frame rods/ connecting rods/ tie rods**.

 <b>Fill in the gaps with the appropriate words. There are two extra words. (15)</b>					
silencer	impulse	stator	rim	blades	crown
converted	inlet	compression	seat	stem	mounted
expanded	saturated	astern	consumption	skirt	

- The rotor of the L.P. turbine has additionally the .....blades for backing down.
- The upper part of the piston is called .....and the lower .....
- The 4-stroke D.E. has lower fuel .....than the 2- stroke one.
- The rotor is .....on the shaft.
- The low pressure turbine usually consists of a combination of .....and reaction elements.
- The 2 stroke DE does not have a/an ..... valve
- On the .....of the rotor there are curved .....
- The .....absorbs the noise of the vibration of the running components of the turbocharger.
- The valve consists of the ....., the head and the .....
- The steam which is collected in the steam drum of the boiler is .....
- The turbine assembly has a ....., that is stationary vanes which direct the exhaust gases to the rotor.
- The three upper rings of the piston of a 4-stroke diesel engine are .....rings.

<b>Fill in the gaps to make a phrase with the following words. There are two extra words. (10)</b>					
tight	check	treatment	wall	gland	port
pin	marine	chamber	burner	valve	feed

Packing ..... Air .....

Sewage .....plant Scotch .....boiler

Combustion ..... Oil .....

Feed .....valve Water .....header

Deaerating .....tank Throttle .....



*Good Luck*