

### 3-b-1

In which phase is water at  $T = 210^{\circ}\text{C}$  and  $P = 2 \text{ MPa}$ ?

Answer: Compressed liquid

At 2 MPa (2000 kPa) the saturation temperature (the temperature at which the water starts to boil) is 212.38 degree Celsius. 210 degree Celsius is lower so the water is still in the compressed liquid phase.