temperature Regulated by homeostatic mechanisms; neural hormonal Compromised by altered homeostatic responsesmultiple learning disability (PMLD) who inactive and may have a distorted body shape, and these may determine the individual's 'normal' clinical range for respiration. Discussions take place abou 0. Normal breathing mechanisms and how this can be compromise by distortion of the rib cage.• The importance of full ventilatio of the lungs and the import and early onset pathology of the lungs and/or nervous system th- may impair normal regulatory mechanisms.• The increased incidence of respiratory disease and respiratory failure due to altered brain function.• The impact of medications on th central nervous system, particularly those that depress to respiratory centre.• We also discuss how individuals with challenging behaviour and/or tokes on t baseline level. We discuss the ability of to body to respond to the respiratory demands being placed on it in stressful situations.• PulseAffected by age, gender, posture,Discussion take and why?PulseAffected by age, gender, posture,Discussion take around students'			with a learning disability – a framework
(in)activity/exercise, body temperatureknowledge of someone with profound a multiple learning disability (PMLD) who inactive and may have a distorted body shape, and these may determine the individual's 'normal' clinical range for respiration. Discussions take place abour and how this can be compromis by distortion of the rib cage.• Normal breathing mechanisms; neural hormonal Compromised by altered homeostatic responses• Normal breathing mechanisms and how this can be compromis by distortion of the rib cage.• The importance of full ventilation of the lungs and the impact of shallow breathing more likely se in an individual with PMLD.• Possible congenital abnormalitie and early onset pathology of the lungs and/or nervous system the may impair normal regulatory mechanisms.• The increased incidence of respiratory disease and respiratory tailure due to altered brain function.• The impact of medications on th central nervous system, particularly those that depress t respiratory tailure due to altered brain undividuals with challenging behaviour and/or those on t autism spectrum may exhibit higher leve of anxiety which may impact on the baseline level. We discuss the ability of body to respond to the respiratory demands being placed on it in stressful situations.• Discussion take place around student s' of anxiety which may impact on the baseline level. We aks students to consider whether there are variations in respiratory rate, nythm and depth that re	Observation	Mechanisms	Considerations
	Respiration	 (in)activity/exercise, body temperature Regulated by homeostatic mechanisms; neural hormonal Compromised by altered 	 knowledge of someone with profound and multiple learning disability (PMLD) who is inactive and may have a distorted body shape, and these may determine the individual's 'normal' clinical range for respiration. Discussions take place about: Normal breathing mechanisms and how this can be compromised by distortion of the rib cage. The importance of full ventilation of the lungs and the impact of shallow breathing more likely seen in an individual with PMLD. Possible congenital abnormalities and early onset pathology of the lungs and/or nervous system that may impair normal regulatory mechanisms. The increased incidence of respiratory disease and respiratory failure due to altered brain function. The ageing population with Down's syndrome are more susceptible to asthma and pneumonia. The impact of medications on the central nervous system, particularly those that depress the respiratory centre. We also discuss how individuals with challenging behaviour and/or those on the autism spectrum may exhibit higher levels of anxiety which may impact on the baseline level. We discuss the ability of the body to respond to the respiratory rate, rhythm and depth that relate to the above. If yes, what actions should the
temperature, stress/anxiety • Who is inactive? Inactivity can	Pulse	disease, (in)activity, exercise, temperature, stress/anxiety	knowledge of someone with PMLD:

[Compromised by observed	
	Compromised by altered homeostatic responses	 gain and circulatory problems, with a resultant effect on pulse. Who may have a distorted body shape and how this may determine the individuals' 'normal' clinical range for pulse. Whether students have been able to assess the pulse of someone with PMLD and factors which may impede on this skill being performed, such as a radial pulse being difficult to undertake due to contractures, on individuals who are cold, or who have poor circulation. Possible congenital abnormalities and early onset pathology of the heart and or nervous system may impair normal regulatory mechanisms. Higher brain functions may be affected due to structural variations and malfunctions resulting in an increased risk of heart disease. Impact of medication on homeostatic regulation We also discuss with students how individuals with challenging behaviour and/or those on the autism spectrum may exhibit higher levels of anxiety which may impact on the baseline level. We ask the students to consider variations in pulse rate, rhythm and strength that relate to the above. If yes, what actions should the nursing student take and why.
Temperature	Affected by metabolic rate/metabolism; (in)activity, exercise, nutritional status, eating pattern, environmental temperature. Regulated by hypothalamus	We discuss how body temperature is determined by the balance of heat loss versus heat gain and the individual variation of the set point as regulated by the hypothalamus. A discussion takes place about:
	Compromised regulation (sensitivity, responsiveness) by brain damage, muscular spasms.	 Impact of a learning disability on brain function and how this relates to the individual's ability to conserve or transfer heat. The impact of hypotonia, hypertonia and spasticity on metabolic rate and the individual's temperature are identified through cases histories.

 distorted body shape. Individuals with challenging behaviour and/or those on th autism spectrum may exhibit higher levels of anxiety, which may impact on the baseline B We ask students to consider whether there are variations in blood pressure relation to the above. If yes, what act should the nursing student take and w
