

ABNORMAL BREATHING PATTERNS

Apneustic Breathing

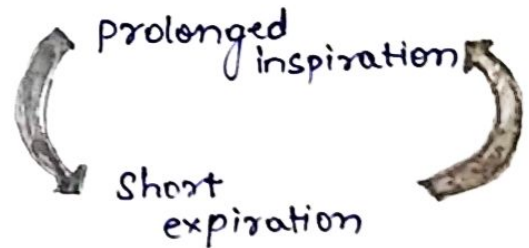
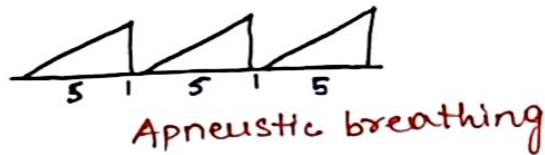
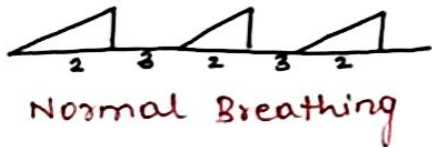
Biot's Breathing

Cheyne-Stokes Breathing

Kussmaul's Breathing

Apneustic Breathing :-

Cause :- Damage to lower half of pons.
(Apneustic Center affected)

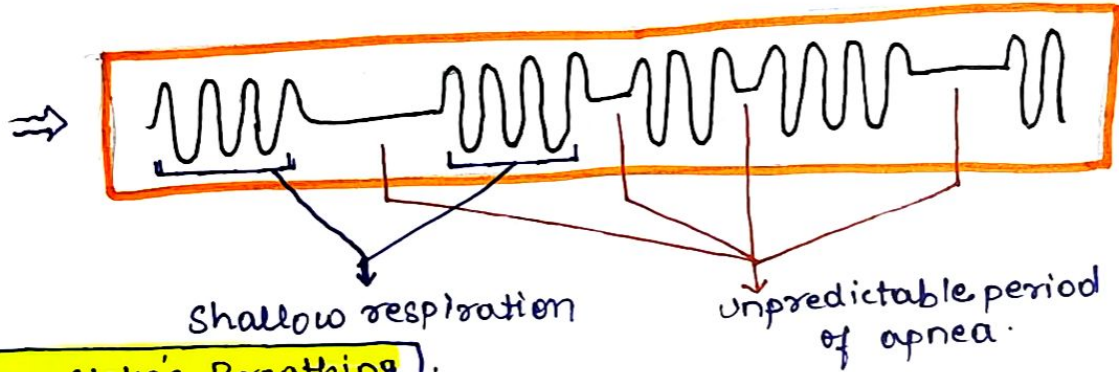


⇒ Characterised by prolonged inspiratory gap with a pause at full inspiration

Biot's Breathing :-

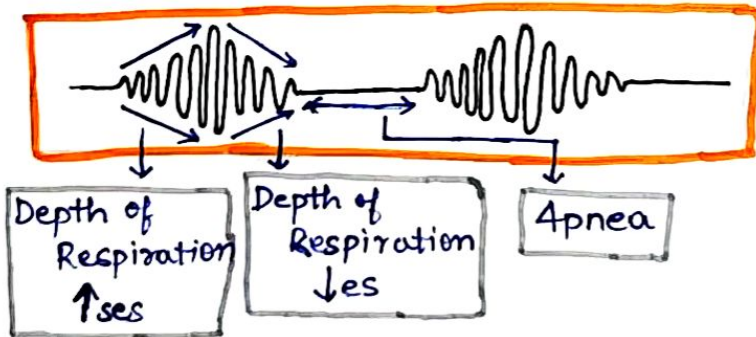
Cause :- Lesion in Medulla oblongata

!- patient \bar{c} active neurological disease



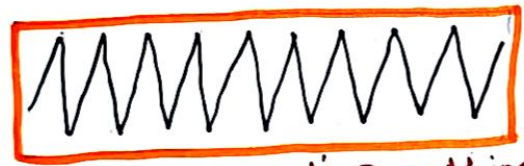
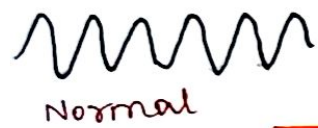
Cheyne-Stoke's Breathing :-

cause :- Cardiac failure



Kussmaul's Breathing :-

Causes :- Metabolic Acidosis
:- Diabetic Ketoacidosis



⇒ Very deep Laboured Regular Breathing

Apneustic Breathing	Prolonged inspiratory gap with pause at full inspiration	<ul style="list-style-type: none"> • Damage of lower half of pons.
Biot's Breathing	Quick bouts of shallow respiration followed by unpredictable period of apnea.	<ul style="list-style-type: none"> • Lesion in Medulla • Active neurological disease.
Cheyne-Stokes's Breathing	Cyclic episodes of hyperventilation + apnea	<ul style="list-style-type: none"> • Cardiac failure
Kussmaul's Breathing	Very deep laboured regular breathing	<ul style="list-style-type: none"> • Metabolic acidosis or • Diabetic Ketoacidosis

