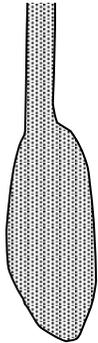


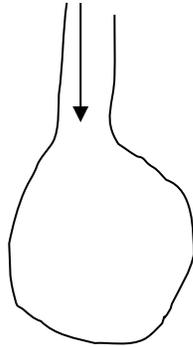
## Initiation of Respirations in the Newborn

Before 1<sup>st</sup> Breath



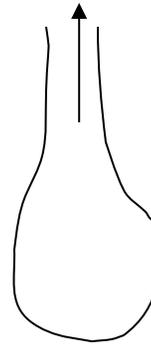
Fluid filled  
Alveolus

1<sup>st</sup> Breath



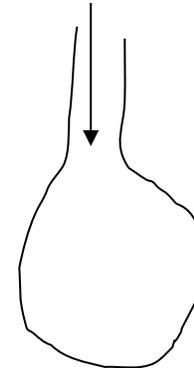
Fluid forced out  
Alveolus Expanded

1<sup>st</sup> Expiration



Residual Air  
(approx 20cc)

2<sup>nd</sup> Breath



Less effort required  
for Expansion

**Pulmonary surfactant lessens alveolar resistance to expansion and decreases the pressure required to inflate the lung.**

**Each subsequent breath takes less effort**