

Complete this concept review handout and keep it as a record of what you have learned.

MECHANICS OF RESPIRATION

Inhalation	Exhalation
1. Intercostal muscles and diaphragm contract.	1. <u>Intercostal muscles and diaphragm relax.</u> _____ _____
2. <u>Ribs rise and diaphragm descends, increasing the size of the rib cage.</u> _____ _____	2. <u>Ribs descend and diaphragm rises, decreasing the size of the rib cage.</u> _____ _____
3. <u>Lung volume increases.</u> _____ _____	3. <u>Lung volume decreases.</u> _____ _____
4. <u>Air pressure inside the lungs decreases. It becomes lower than the outside air pressure.</u> _____ _____	4. <u>Air pressure inside the lungs increases. It becomes greater than the outside air pressure.</u> _____ _____
5. <u>Oxygen-rich air from outside flows into the lungs until the pressure inside and outside the lungs is equal.</u> _____ _____	5. <u>Carbon dioxide-rich air inside the lungs flows outside until the pressure inside and outside the lungs is equal.</u> _____ _____

GAS EXCHANGE WITHIN THE LUNGS

