

THE HUMAN RESPIRATORY SYSTEM

Cut out all the boxes. Match one box from the left column with one box from the right column. Glue the matching boxes onto a large sheet of paper.

RESPIRATORY ORGAN	FUNCTION
BRONCHIOLES	<ul style="list-style-type: none"> • Voicebox • When we swallow food, a flap called the epiglottis closes over the top of the larynx and below it, the trachea (windpipe) to prevent food entering the lungs • As air passes through the vocal cords, different pitches of sound are produced
LARYNX	<ul style="list-style-type: none"> • Air, containing 20% oxygen, enters the body through nostrils • Air is cleaned and warmed as it passes through the nasal cavity • Mucus and nose hairs serve to filter dust from the air • Mucus also moistens the inhaled air
ALVEOLI	<ul style="list-style-type: none"> • The trachea branches into 2 tubes called the bronchi – one going to each lung • Mucus and cilia cover the walls of the bronchi
BRONCHI	<p>Large, dome-shaped muscle that lies at the base of the chest cavity</p> <ul style="list-style-type: none"> • The diaphragm contracts during inhalation, and relaxes during exhalation
PHARYNX	<ul style="list-style-type: none"> • These are balloon –like air sacs at the ends of the bronchioles • The walls of the alveoli are very thin, and are surrounded by fine blood capillaries • Exchange or diffusion of oxygen into the blood from the inhaled air, and of carbon dioxide out of the blood to the exhaled air takes place
DIAPHRAGM	<ul style="list-style-type: none"> • Windpipe • Lies in front of the oesophagus (food tube) • Protected at the front by C-shaped cartilage • Fine hair-like hairs called cilia on the walls of the trachea ‘brush’ dust upwards and out of the respiratory tract
NOSE	<ul style="list-style-type: none"> • Cavity at back of nose and mouth • Both food and air pass through the pharynx
TRACHEA	<ul style="list-style-type: none"> • The right and left bronchi branch into many smaller tubes called the bronchioles • Walls of bronchioles are lined with mucus and cilia