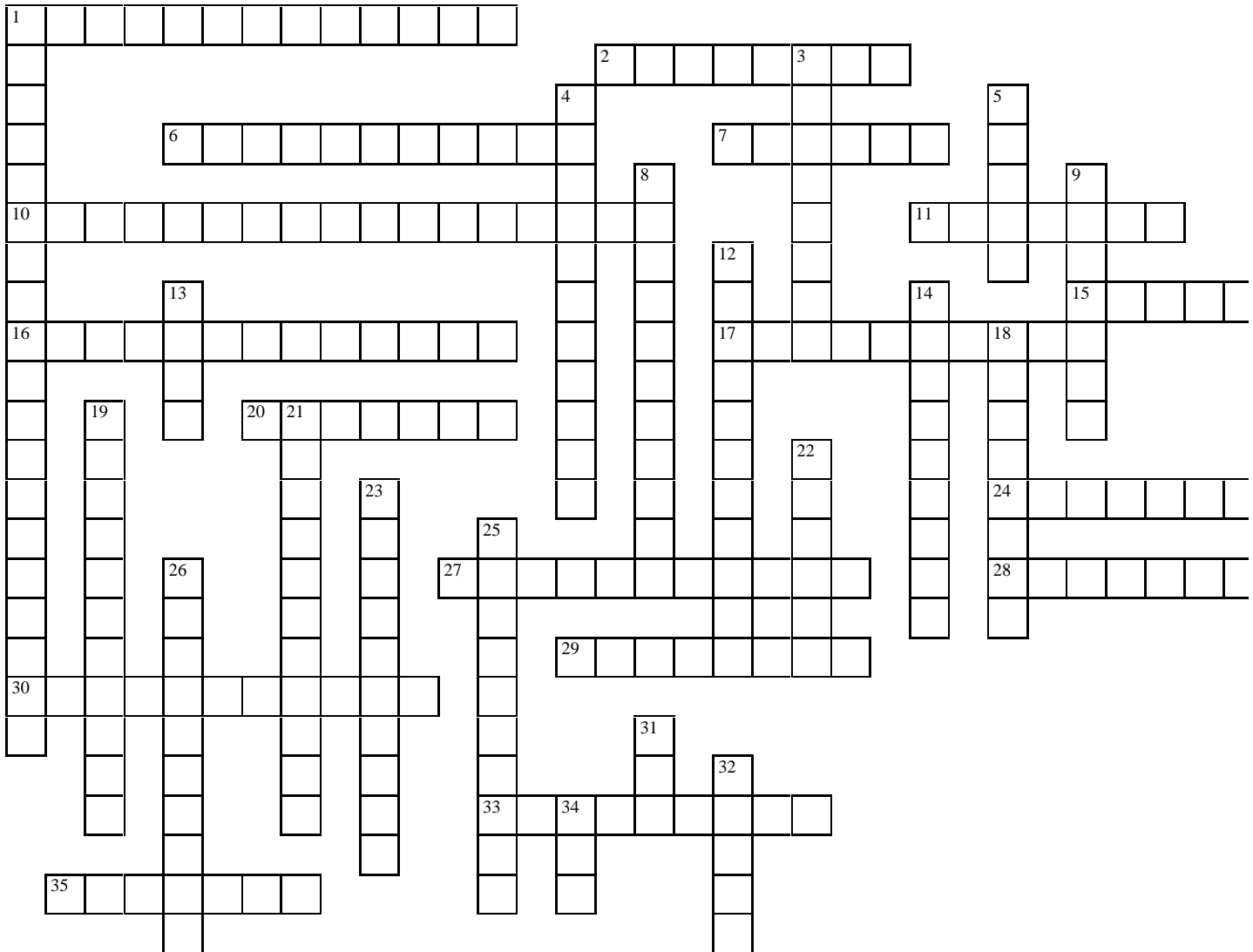


Respiratory



ACROSS

- 1 Gas that primarily drives respiration; 2 words no space
- 2 A component that affects gas exchange; pressure _____;
- 6 Primary method of transporting carbon dioxide in blood
- 7 Vessel that transports deoxygenated blood to the alveoli for respiration; pulmonary _____;
- 10 Location of respiratory center; 2 words no space
- 11 The medical term for windpipe
- 15 Primary bronchi that is more vertical, wider, and shorter
- 16 Substance formed when oxygen binds to hemoglobin
- 17 Ability of gas to dissolve in a given liquid
- 20 Mucous membranes that cause air to swirl in nasal cavity

DOWN

- 1 Substance formed when carbon dioxide binds hemoglobin
- 3 Type of respiration; exchange of gas between air in alveoli and pulmonary blood vessels
- 4 Movement of air from outside of body into alveoli
- 5 Volume of breath taken during a normal inspiratory and expiratory cycle
- 8 Location of gas exchange
- 9 Commonly called the throat
- 12 Type of lung disease in which it is difficult to bring air in
- 13 Lung that has the least number of lobes
- 14 Primary muscle of ventilation
- 18 Exchange of gas between blood in systemic circulation and tissue
- 19 Muscle group that increases Anterior Posterior diameter of chest cavity

- 24 Oxygen _____; Possible because hemoglobin is remains 75% saturated under normal circumstances
- 27 Location of space between the lungs
- 28 Location of gas exchange in lungs
- 29 Specific membrane that covers the surface of lungs
- 30 The active phase of ventilation
- 33 Artery that delivers oxygen to the lung tissue
- 35 _____ drive is a back up mechanism used by a small percentage of COPD patients
- 21 Type of lung disease characterized by a lower FEV1/FVC ration
- 22 Membrane that lines lungs and chest cavity
- 23 Portion of larynx that covers the glottic opening and prevents food from entering trachea
- 25 Molecule that binds oxygen
- 26 Passive phase of ventilation
- 31 Amount of air that can be exhaled after a maximal inspiration; abbreviation
- 32 Hollow space in bones of skulls
- 34 Length of time needed to exhale 75% of air; _____second(s)

Note: For a fee, you can use Crossword Weaver to print a nice copy of this puzzle (one that doesn't look like a web page). You can check it out for free by downloading the demo from www.CrosswordWeaver.com.