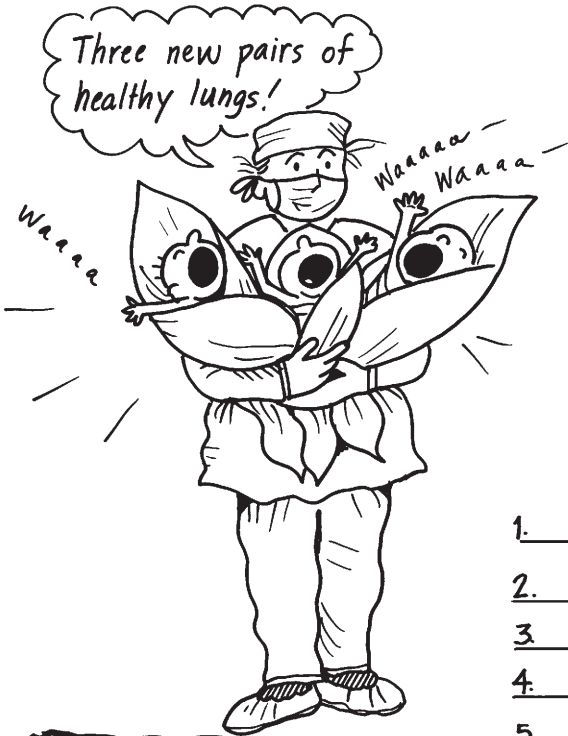


Breath In, Breath Out

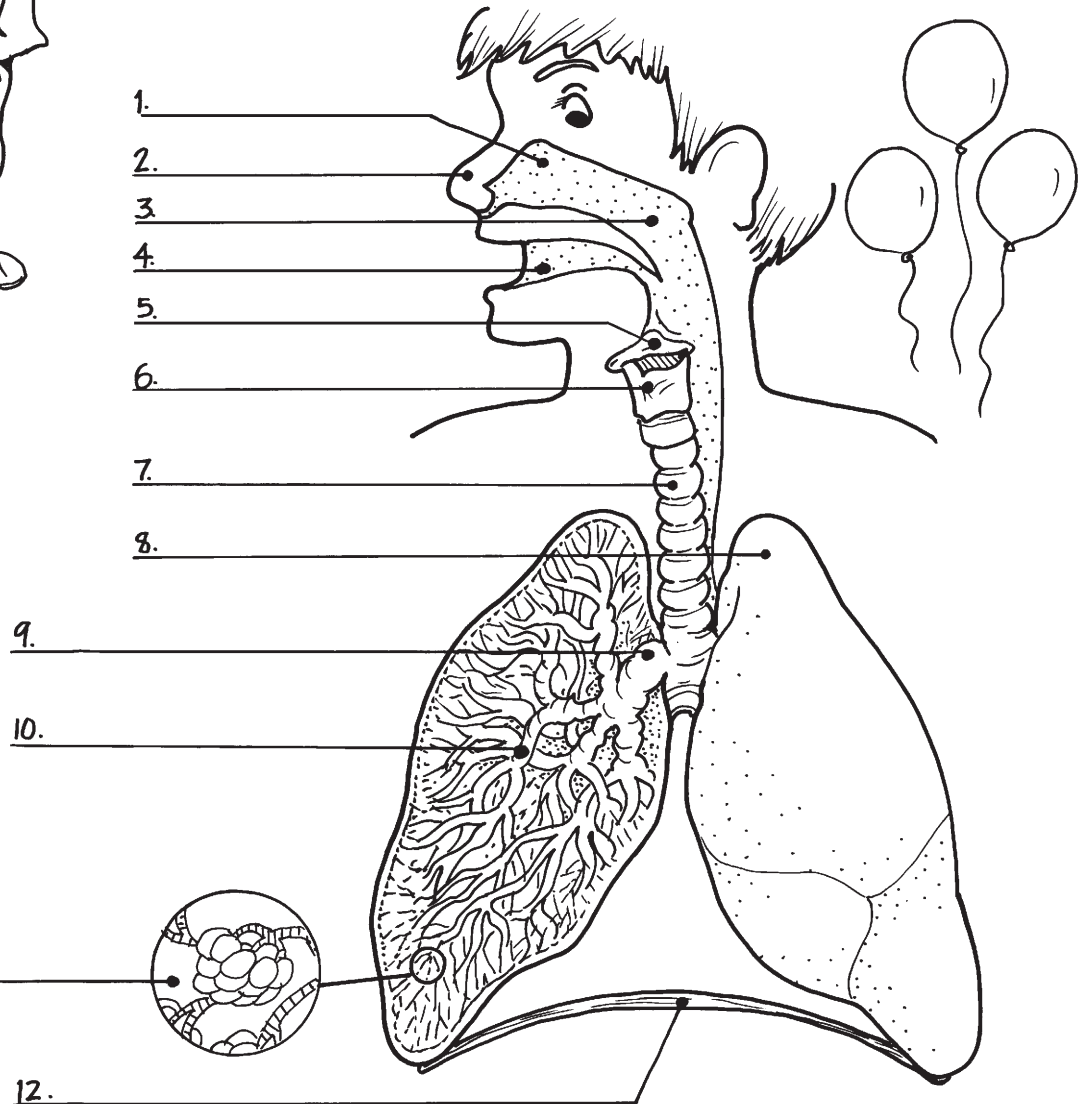


The entire staff in the obstetrical unit is celebrating the birth of triplets. They are blowing up balloons to decorate the nursery. It's a good thing there are some healthy respiratory systems in the group!

Since they've got 100 balloons, they'll need to do a lot of breathing in and out for this task.

Label the body structures that are used in the breathing process.

- Use these labels:
- trachea
 - epiglottis
 - pharynx
 - mouth
 - alveoli
 - bronchi
 - lung
 - diaphragm
 - bronchioles
 - nose
 - nasal cavity
 - larynx



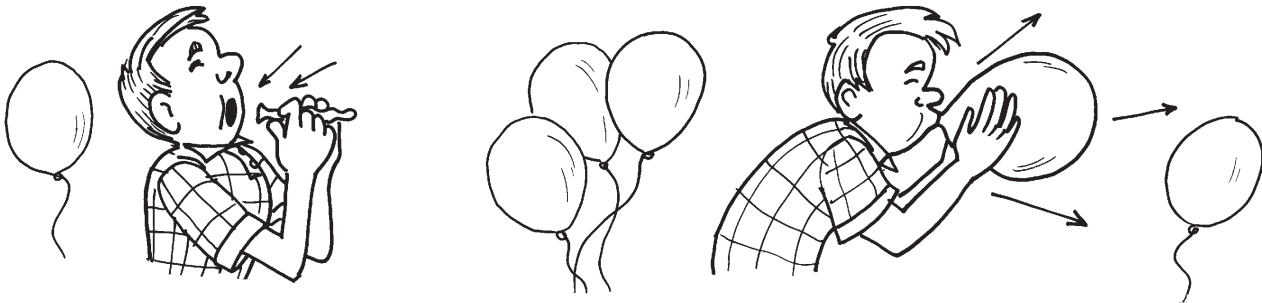
Breath In, Breath Out (continued)

Answer the questions to describe how the respiratory system of Nurse Rex Hale is functioning as he breathes in and out to blow up balloons.

===== BREATHING IN =====

1. What do the hairs in his nose and the mucus in his nose and throat accomplish when he inhales?

2. Where does air travel after it is taken into his mouth? _____
3. What happens to his ribs when he inhales? _____
4. What does his diaphragm do when he inhales? _____
5. What happens to the volume of his chest cavity when he inhales? _____
6. How does oxygen that he breathes in with the air get into his blood? _____
7. What does his epiglottis do when he inhales? _____



===== BREATHING OUT =====

8. How does the carbon dioxide get out of the bloodstream back into his lungs to be breathed out?

9. What path does the air with wastes follow to leave his body? _____

10. What happens to his ribs when he exhales? _____
11. What does his diaphragm do when he exhales? _____
12. What happens to the volume of his chest cavity when he inhales? _____
