### NORMAL BREATH SOUNDS:

**Vesicular** (A+P)  
Heard over the small airways. Sounds like quiet breathing with slight rustling. The breath sounds are soft and low pitched.

**Bronchovesicular** (A + P)  
Heard over the bronchial tubes. Sounds like a mixture of quiet breathing and a whisper. The breath sounds are louder and higher pitched than vesicular.

**Bronchial** (Anterior)  
Heard over the large airways. Sounds like a whisper, possibly accompanied by a faint wheeze. The breath sounds are loud and low pitched.

**Tracheal**  
Heard over the trachea. Sounds like air being blown through pipes. The breath sounds are loud and harsh.

### ABNORMAL BREATH SOUNDS:

#### Cracksles

- **Inspiration**  
- **Expiration**  
- **Pitch**

Crackles are often compared to what rice krispie cereal sounds like after putting milk in. Occurs when there is an obstructed area (represents blocked, collapsed areas opening with inhalation).

#### Wheezing

- **Inspiration**  
- **Expiration**  
- **Pitch**

Wheezing is heard at the end of inspiration or beginning of expiration. Similar to how you narrow diameter of your mouth to whistle, the airway lumen diameter decreases causing a “whistling” or “wheeze” sound.

#### Stridor

- **Inspiration**  
- **Expiration**  
- **Pitch**

Stridor is heard over the trachea. Sounds like air being blown through small pipes.
References:

- http://www.cvmbs.colostate.edu/clinsci/callan/breath_sounds.htm

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