

# 10. Blood and Respiratory Media

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## Pre-class materials

**i** Read ahead

**Before class, you can prepare by reading the following materials:**

1. **No Class on Tuesday – Election Day!** - But to stay on track please be sure to watch the podcast and review [[locomotion](#)]
2. Thursday we will move on to blood and respiratory media
3. Lab this week is on [[toad muscle](#)]. Pay attention to refining your prelab.
4. Think hard about a **hypothesis for your independent toad muscle** lab next week.

## Announcements/Reminders

- Due Friday Homework 5 via Laulima [[schedule](#)]. You should be able to complete all of the questions except the last one. Because of the holiday, we will talk about that a bit on Thursday.
- Do discussion TEAMMATES eval, released each Thursday, due by Monday.
- Getting to the end, folks!

## Week 11 Discussion Groups

Group	Partner 1	Partner 2	Partner 3
1	James	Abby	Ilan
2	Christian	Kylee	Veronica

Group	Partner 1	Partner 2	Partner 3
3	Ashton	Mohamad	Vivian
4	Hao	Adam	Sean

## Tuesday is Election day

**No Class** - Please watch the podcast and review on your own. I ll talk briefly on this on Thursday.

- Terrestrial Locomotion [[discussion](#)] [[slide deck 2](#)]
  - Cursorial adaptations
  - Trends in posture
  - Limb cycles and gaits (kinematics)
  - Ground reaction forces and joint forces (biomechanics)
  - Conservation of energy in running, walking jumping

<https://youtu.be/YlyaASmy-1E>

## Thursday

- Blood and Respiratory Media [[discussion](#)] [[slide deck](#)] [[slide deck2](#)]
  - Hemoglobin and O2 delivery
  - Bohr effect
  - Air vs. Water as respiratory media
  - Diffusion vs. Bulk Flow

<https://youtu.be/t0Vf-RJleCE>

## Coming up Next Week

- Homework 6 Respiration Thursday 11/12 [[schedule](#)]

**i** Reminders and materials