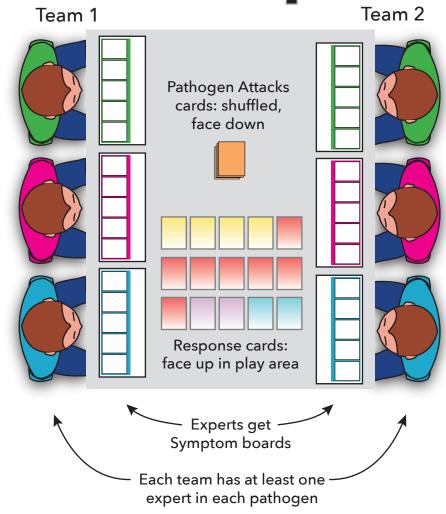
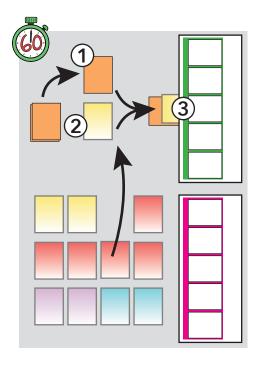
Set-up



Instructions

On your team's turn

- 1. Draw a Pathogen Attacks
 Card and read it aloud. Set
 a 60-second timer.
- 2. Match to the correct Response Card in the play area (be sure to match with the correct type–e.g., Ouch or Immune Ninja).
- **3.** Place the matched pair (Pathogen Attacks + Response) onto the matching symptom space on the correct **Symptom board**.

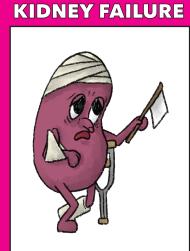


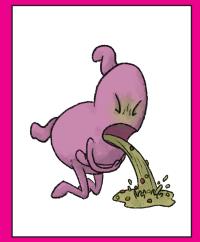
Challenging: If the cards played at the end of the 60 seconds are incorrectly matched or placed on the wrong symptom, the other team can challenge. To challenge, use evidence to show your teacher that the match is incorrect, and describe the correct match. If the challenging team is correct, they take the cards; if they're incorrect, the challenging team loses 1 point.

NOTE: Unless you are being challenged, you may adjust cards on your boards at any time.

Play ends when the second-to-last Pathogen Attacks Card has been matched. Flag down your teacher to check the final matches. No points for mismatches. Tie breaker goes to the team who was never correctly challenged.

DIARRHEA

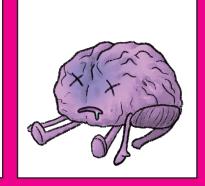




VOMITING

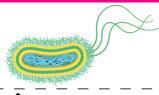


ABDOMINAL PAIN



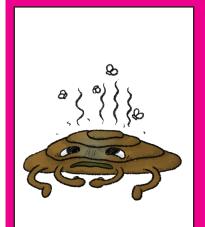
STROKE

E. coli Eviscerator

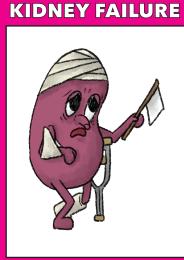


Symptom board **B**

STROKE



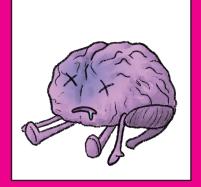
DIARRHEA



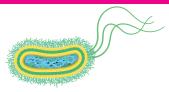


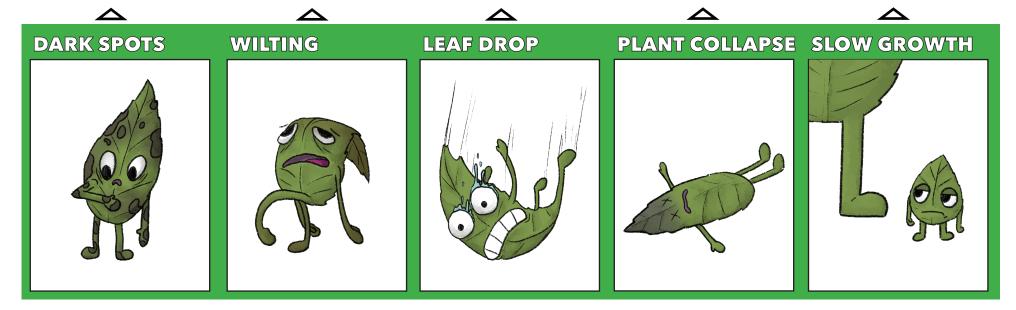
VOMITING





Gut Guru

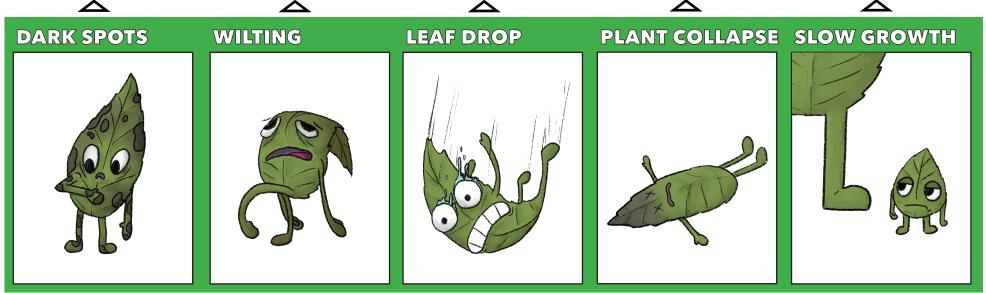




Warrior of Wilt

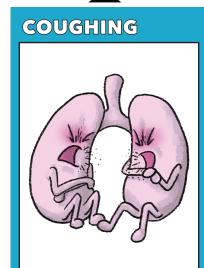


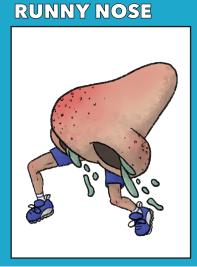
Symptom board •



Plant Professor

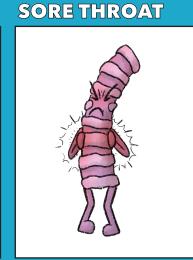








FEVER



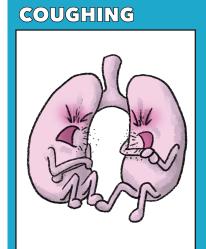


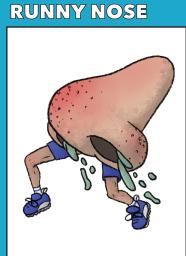
BODY ACHES

Flu Fighter



Symptom board (A)











Bronchus Brainiac













Summary card for checking matches

	Summary card for checking matches					
za	COUGHING	RUNNY NOSE	FEVER	SORE THROAT	BODY ACHES	
e u	PATHOGEN ATTACKS!	PATHOGEN ATTACKS!	PATHOGEN ATTACKS!	PATHOGEN ATTACKS!	PATHOGEN ATTACKS!	
Influen	Destroys cilia on	Cuts through mucus	Immune system	Turns airway cells	Immune system	
nf	airway cells	layer to get to cells	either/or	into virus-making	either/or	
			Dying airway cells	factories	Dying airway cells	
	SYSTEM STRIKES BACK!	SYSTEM STRIKES BACK!	IMMUNE NINJA!	OUCH!	IMMUNE NINJA!	
	Expels built-up	Goblet cells make	Brain sets body	Infected throat cells	Muscles are inflamed	
	mucus from the	extra mucus to pro-	temperature higher	die	because of the	
	airway	tect against viruses	to fight the infection		immune response	
	— DIARRHEA KIDNEY FAILURE VOMITING ABDOMINAL PAIN STROKE					
Co <u>l</u> :	PATHOGEN ATTACKS!		PATHOGEN ATTACKS!	PATHOGEN ATTACKS!	PATHOGEN ATTACKS!	
		PATHOGEN ATTACKS!				
ш	Destroys microvilli to make smooth attach-	Releases toxin that damages blood	Steals food from the intestine and multi-	Invading bacteria and toxins signal the	Releases toxin that damages blood	
	ment sites	vessels in the kidneys				
	ווופוונ אונפא	vessels in the kidneys	plies	immune system	vessels in the brain	
	OUCH!	OUCH!	SYSTEM STRIKES BACK!	IMMUNE NINJA!	OUCH!	
	OUCH! Nutrient & water	OUCH! Kidneys can't clean	SYSTEM STRIKES BACK! Stomach forcefully	IMMUNE NINJA! Immune cells rush to	OUCH! Dead blood vessel	
	OUCH!	OUCH!	SYSTEM STRIKES BACK!	IMMUNE NINJA!	OUCH!	
	OUCH! Nutrient & water absorption decrease leaving watery waste	OUCH! Kidneys can't clean the blood	SYSTEM STRIKES BACK! Stomach forcefully ejects contents	IMMUNE NINJA! Immune cells rush to small intestine and cause swelling	OUCH! Dead blood vessel cells cause clogs in the brain	
	OUCH! Nutrient & water absorption decrease leaving watery waste DARK SPOTS	OUCH! Kidneys can't clean the blood	SYSTEM STRIKES BACK! Stomach forcefully ejects contents LEAF DROP	IMMUNE NINJA! Immune cells rush to small intestine and cause swelling PLANT COLLAPSE	OUCH! Dead blood vessel cells cause clogs in the brain SLOW GROWTH	
>	OUCH! Nutrient & water absorption decrease leaving watery waste	OUCH! Kidneys can't clean the blood	SYSTEM STRIKES BACK! Stomach forcefully ejects contents	IMMUNE NINJA! Immune cells rush to small intestine and cause swelling	OUCH! Dead blood vessel cells cause clogs in the brain	
SWV	OUCH! Nutrient & water absorption decrease leaving watery waste DARK SPOTS PATHOGEN ATTACKS! Spreads through tiny	OUCH! Kidneys can't clean the blood WILTING PATHOGEN ATTACKS! Hijacks cell to make	SYSTEM STRIKES BACK! Stomach forcefully ejects contents LEAF DROP PATHOGEN ATTACKS! Kills heavily infected	IMMUNE NINJA! Immune cells rush to small intestine and cause swelling PLANT COLLAPSE PATHOGEN ATTACKS! Spreads through the	OUCH! Dead blood vessel cells cause clogs in the brain SLOW GROWTH PATHOGEN ATTACKS! Spreads through the	
TSWV	OUCH! Nutrient & water absorption decrease leaving watery waste DARK SPOTS PATHOGEN ATTACKS! Spreads through tiny tunnels to infect	OUCH! Kidneys can't clean the blood WILTING PATHOGEN ATTACKS! Hijacks cell to make more viruses until the	SYSTEM STRIKES BACK! Stomach forcefully ejects contents LEAF DROP PATHOGEN ATTACKS!	IMMUNE NINJA! Immune cells rush to small intestine and cause swelling PLANT COLLAPSE PATHOGEN ATTACKS! Spreads through the plant tubes that carry	OUCH! Dead blood vessel cells cause clogs in the brain SLOW GROWTH PATHOGEN ATTACKS! Spreads through the plant, taking over	
TSWV	OUCH! Nutrient & water absorption decrease leaving watery waste DARK SPOTS PATHOGEN ATTACKS! Spreads through tiny tunnels to infect nearby leaf cells	OUCH! Kidneys can't clean the blood WILTING PATHOGEN ATTACKS! Hijacks cell to make more viruses until the leaf cell is packed	SYSTEM STRIKES BACK! Stomach forcefully ejects contents LEAF DROP PATHOGEN ATTACKS! Kills heavily infected leaf cells as it spreads	IMMUNE NINJA! Immune cells rush to small intestine and cause swelling PLANT COLLAPSE PATHOGEN ATTACKS! Spreads through the plant tubes that carry water	OUCH! Dead blood vessel cells cause clogs in the brain SLOW GROWTH PATHOGEN ATTACKS! Spreads through the plant, taking over cells	
TSWV	OUCH! Nutrient & water absorption decrease leaving watery waste DARK SPOTS PATHOGEN ATTACKS! Spreads through tiny tunnels to infect	OUCH! Kidneys can't clean the blood WILTING PATHOGEN ATTACKS! Hijacks cell to make more viruses until the	SYSTEM STRIKES BACK! Stomach forcefully ejects contents LEAF DROP PATHOGEN ATTACKS! Kills heavily infected	IMMUNE NINJA! Immune cells rush to small intestine and cause swelling PLANT COLLAPSE PATHOGEN ATTACKS! Spreads through the plant tubes that carry water OUCH!	OUCH! Dead blood vessel cells cause clogs in the brain SLOW GROWTH PATHOGEN ATTACKS! Spreads through the plant, taking over	
TSWV	OUCH! Nutrient & water absorption decrease leaving watery waste DARK SPOTS PATHOGEN ATTACKS! Spreads through tiny tunnels to infect nearby leaf cells IMMUNE NINJA! Immune system kills	OUCH! Kidneys can't clean the blood WILTING PATHOGEN ATTACKS! Hijacks cell to make more viruses until the leaf cell is packed OUCH! Vacuoles have less	SYSTEM STRIKES BACK! Stomach forcefully ejects contents LEAF DROP PATHOGEN ATTACKS! Kills heavily infected leaf cells as it spreads OUCH! Dead cells can't hold	IMMUNE NINJA! Immune cells rush to small intestine and cause swelling PLANT COLLAPSE PATHOGEN ATTACKS! Spreads through the plant tubes that carry water OUCH! Damaged vessels in	OUCH! Dead blood vessel cells cause clogs in the brain SLOW GROWTH PATHOGEN ATTACKS! Spreads through the plant, taking over cells SYSTEM STRIKES BACK! Plant redirects	
TSWV	OUCH! Nutrient & water absorption decrease leaving watery waste DARK SPOTS PATHOGEN ATTACKS! Spreads through tiny tunnels to infect nearby leaf cells IMMUNE NINJA!	OUCH! Kidneys can't clean the blood WILTING PATHOGEN ATTACKS! Hijacks cell to make more viruses until the leaf cell is packed OUCH!	SYSTEM STRIKES BACK! Stomach forcefully ejects contents LEAF DROP PATHOGEN ATTACKS! Kills heavily infected leaf cells as it spreads OUCH!	IMMUNE NINJA! Immune cells rush to small intestine and cause swelling PLANT COLLAPSE PATHOGEN ATTACKS! Spreads through the plant tubes that carry water OUCH!	OUCH! Dead blood vessel cells cause clogs in the brain SLOW GROWTH PATHOGEN ATTACKS! Spreads through the plant, taking over cells SYSTEM STRIKES BACK!	