



IXL Skill Alignment

5th grade alignment for Amplify Science



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www.ixl.com/science/skill-plans/amplify-science-2022-grade-5

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Patterns of Earth and Sky

Textbook section	IXL skills
Chapter 1: Why don't we see a lot of stars in the daytime?	1. Brightness of the Sun and other stars E2R
Chapter 2: Why is the sun up sometimes, but not other times?	1. Shadows 9PB
Chapter 3: Why do we see different stars at different times of year?	1. Earth's rotation and orbit LEF 2. Day and night S9N 3. Constellations and the changing night sky G9Z 4. SeasonsGBT
Chapter 4: How can we investigate why we see different stars on different nights?	

Modeling Matter

Textbook section

Chapter 1: Why did the food coloring separate into different dyes?

IXL skills

1. Compare properties of objects 5TK
2. Identify mixtures FK8

Also consider

- Interpret ball-and-stick models R7R
- Match chemical formulas to ball-and-stick models XWM
- Complete chemical formulas for ball-and-stick models LY2
- Count atoms in chemical formulas F7D
- Classify elementary substances and compounds using chemical formulas XV8
- Identify elementary substances and compounds using chemical formulas TFP
- Sort elementary substances and compounds using chemical formulas 8TB
- Classify elementary substances and compounds using models PPN

Chapter 2: Why do some salad dressings have sediments, and others do not?

1. Understand conservation of matter using graphs S7U

Chapter 3: Why can salad-dressing ingredients separate again after being mixed?

The Earth System

Textbook section	IXL skills
Chapter 1: Why is East Ferris running out of water while West Ferris is not?	<ol style="list-style-type: none">1. Describe and graph water on Earth TZK2. Describe the geosphere, biosphere, hydrosphere, and atmosphere HDB
Chapter 2: Why does more rain form over West Ferris than East Ferris?	<ol style="list-style-type: none">1. Change-of-state diagrams: melting, freezing, evaporating, and condensing FBL2. Label parts of water cycle diagrams FG23. Select parts of water cycle diagrams BND4. Identify the best design solution to prevent hurricane damage H9Q
Chapter 3: Why is more water vapor getting cold over West Ferris than East Ferris?	<ol style="list-style-type: none">1. Evaluate multiple design solutions to prevent flooding GSN
Chapter 4: Why is there more water vapor high up over West Ferris than East Ferris?	
Chapter 5: How can East Ferris turn wastewater into clean freshwater?	<ol style="list-style-type: none">1. Compare physical and chemical changes HW52. Identify reactants and products DV7

Ecosystem Restoration

Textbook section

IXL skills

Chapter 1: Why aren't the jaguars and sloths growing and thriving?

1. Identify ecosystems UYQ
2. Describe ecosystems NT5

Also consider

- Body systems: digestion RUU

Chapter 2: Why aren't the cecropia trees growing and thriving?

1. How do plants make food? BZ5
2. Identify the photosynthetic organism ZAW
3. Identify roles in food chains CTQ
4. How does matter move in food chains? FDN

Also consider

- Classify fruits and vegetables as plant parts LUY
- Identify plant parts and their functions BRE

Chapter 3: Why aren't the cecropia trees growing and thriving in the soil?

1. Interpret food webs I 5JX
2. Interpret food webs II LV5