

NIGHT SKY

TEACHER GUIDE

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



1. Set the Tone and Intention (1 min)

- Begin with Bismillah.
- Remind students that knowledge is from Allah and for the purpose of knowing Allah better.

2. Preview the Issue (10 mins)

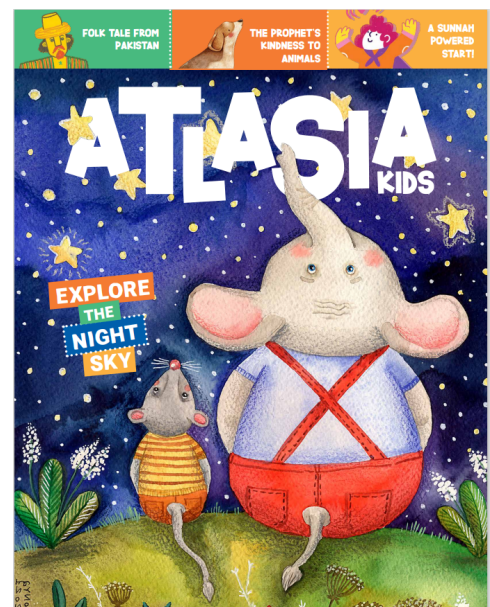
- Cover: Ask your students what they think the issue is about - let their curiosity fly! Ask them what they know about the various topics listed at the top and have them all respond verbally. Make sure to get the quiet ones involved too.

Pre-reading Questions:

- "What do you know about Pakistan?"
- "How do you feel about the new school year?"
- "What do you know about space?"

Key Vocabulary:

- constellations
- galaxies
- nebulae
- planets
- moon
- lunar and solar eclipses
- star trails
- the Milky Way galaxy
- comets
- supernova



Look for Atlasia Toolbox cues throughout the issue!



USEFUL LINKS:

THEME RELATED:

Constellations: <https://youtu.be/U7yqx1hSqlw>

THE FOLLOWING LINKS CAN BE USED FOR STUDENTS TO READ, OR FOR CREATING SPACE-THEMED MATERIAL TO DO PROJECTS WITH:

Review of Muslim Astronomers:

- <https://www.reviewofreligions.org/41108/muslim-astronomers-islam-golden-age-legacy/>

Resources to research Al Battani:

- <https://www.britannica.com/biography/al-Battani>
- <https://www.famousscientists.org/al-battani/>
- <https://mathshistory.st-andrews.ac.uk/Biographies/Al-Battani/>

Resources to research Al Farghani:

- https://youtu.be/013SnOdv_eU
- <https://youtu.be/saal7A-cyzs>

Resources to research Al- Sufi:

- <https://www.britannica.com/biography/al-Sufi>
- <https://www.metmuseum.org/art/collection/search/446297>

WORLD FOLK TALES:

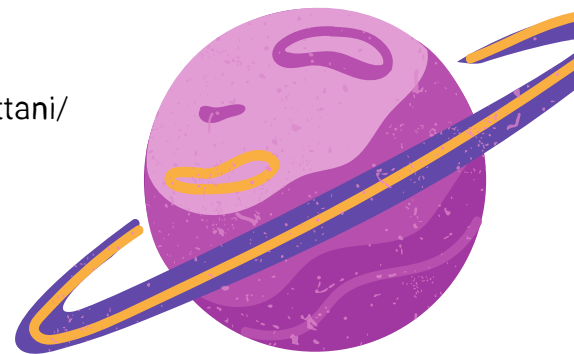
Honesty in Islam: [Yaqeen Institute](https://yaqeeninstitute.org)

- <https://yaqeeninstitute.org/read/paper/the-guiding-principles-of-faith-sincerity-honesty-and-good-will-in-islam>

DIARY OF LAYLA:

Watch or Listen to the Anger Song by Zain Bhikha:

- <https://youtu.be/1wLgsecW004>



3. Weekly Calendar (Pg 6 - 5 min per day)

- Write down the days of the week on the classroom board! Each day has a fun activity you can incorporate to stimulate students.
- Write to Atlasian Corner and email to editor@atlasiakids.com

4. Ninety-Nine (Pg 8 - 15 mins)

Comprehension questions:

- "What does Al-Muqit mean?" (*The Nourisher*)
- "What are some things Allah nourishes?" (*Trees and plants, birds and ants, our plates and our souls*)

Activity:

- Learn about making a healthy plate.
 - *Use the attached worksheets!*
 - Remind students that Allah gave us all of these food items to provide us with nutrients and we should use them to help us grow while not overeating.

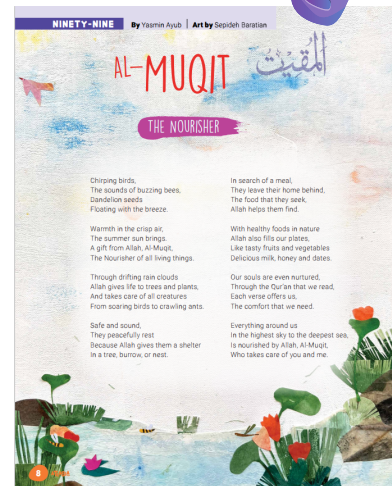
5. Interview (Pg 10 - 20 mins)

Pre-Reading Questions:

- "What do you think an astrophotographer does?" (*Open Answer*)

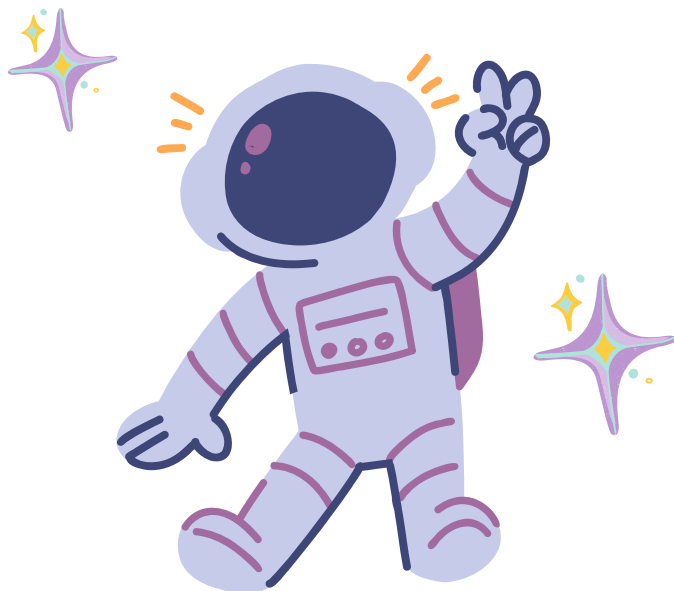
Activity:

- Learn a few Constellations! *Use the ZOOM section and the video linked in the PREVIEW section.*



Comprehension Questions:

- "Who is Ibn Battuta?" (A famous Muslim traveler who holds the record for being the most traveled during the pre-modern era)
- "What is the Rho Ophiuchi Cloud Complex?" (A star system in the constellation Ophiuchus, located about 360 light years away. One of the most colorful areas of the night sky.)
- "When is the only time the Orion Nebula is visible?" (Winter time)
- Define a supernova event (A supernova event is a powerful explosion of a star characterized by a bright emission of light.)



7. World Folk Tales (Pg 18 - 10 mins)

Pre-reading questions:

- "Have you ever found it hard to be honest?" (Open answer)
- "What does Allah say about honesty in the Quran?" (Whoever achieves pure honesty with Allah will be admitted to Paradise, **reference USEFUL LINKS** for more on honesty in Islam.)



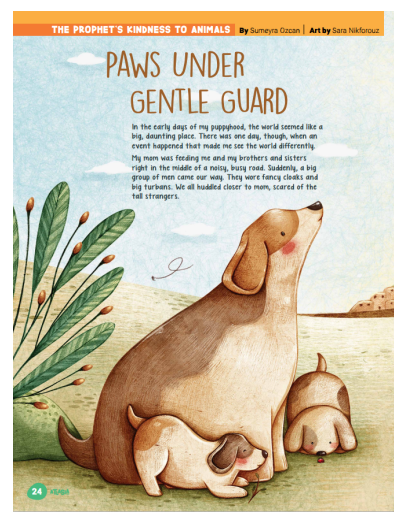
Comprehension questions:

- "What do you think the lesson from this story is?" (Honesty is better than trickery, being unjust will always have consequences)

8. The Prophet's Kindness to Animals

Activity:

- Encourage students to visit an animal shelter. If your local animal shelter accepts donations, start a supply drive for the sweet dogs and cats in the shelter!



8. Diary of Layla (Pg 22 - 10 min)

Activities:

- Read or Listen to Layla's diary!
- Watch or Listen to the Anger Song by Zain Bhikha (*Found in USEFUL LINKS*)
- Review the NINETY-NINE poem on Allah's name, Al-Wali (*The Protector*), from our November 2022 issue.
 - *We've attached the poem for your use!*
- Plan a school or neighborhood talent show!



10. ZOOM (Pg 36 - 15 mins)

Activity:

- Choose an activity mentioned in the ZOOM section to do: create a moon journal, draw the night sky, create stellar art, or encourage students to do a shooting star hunt.
- Create lapbooks, and rotate between stations to learn about different astronomers, using the resources provided. Include lifespan of astronomers and their discoveries.



11. Checklist (Pg 40 - 15 min)

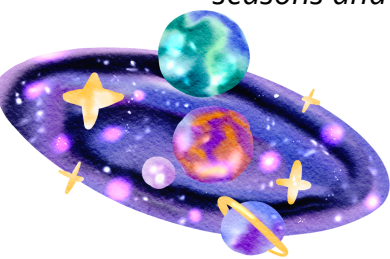
- Practice making intentions at the start of the day and say 'Bismillah!' everyday.



13. What If? (Pg 44 - 10 min)

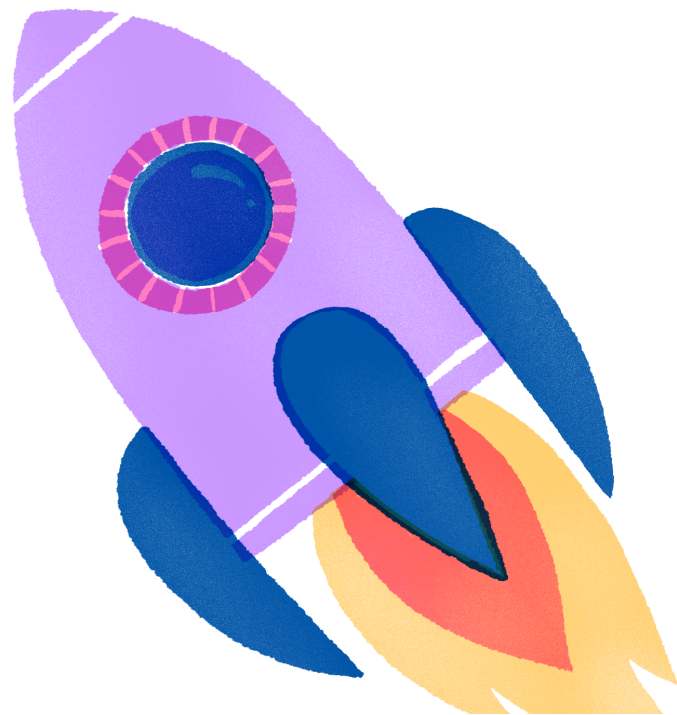
Comprehension Questions:

- "What purpose does the moon's gravity have on the earth?" (*It serves to slowdown the earth's spin, creates ocean tides, affects seasons and winds*)



14. Atlas (Pg 48 - 10 mins)

- Discuss Peru:
 - "What wildlife is Peru known for?" (*The Andean condor, spectacled bears, jaguars, and the iconic llama and alpaca, and birds such as the Humboldt penguin and the vibrant Andean cock-of-the-rock*)
 - "What is Machu Picchu?" (*a historic Incan city set high in the Andes mountains.*)



What does each food do?

ALLAH GAVE US TONS OF COLORFUL, YUMMY FOODS TO EAT. LET'S LEARN HOW TO BUILD A PLATE THAT KEEPS US FULL AND FEELING AWESOME.

MAKE A GUESS AND MATCH THE FOLLOWING:

Vegetables

KEEP YOU FULL FOR A LONG TIME & MAKE YOU STRONG

Fruits

NATURAL SOURCES OF GOOD SUGAR FOR YOUR BODY

Proteins

KEEP YOU ENERGIZED FOR A SHORT TIME

Carbs

KEEP YOU FEELING HAPPY AND FIT

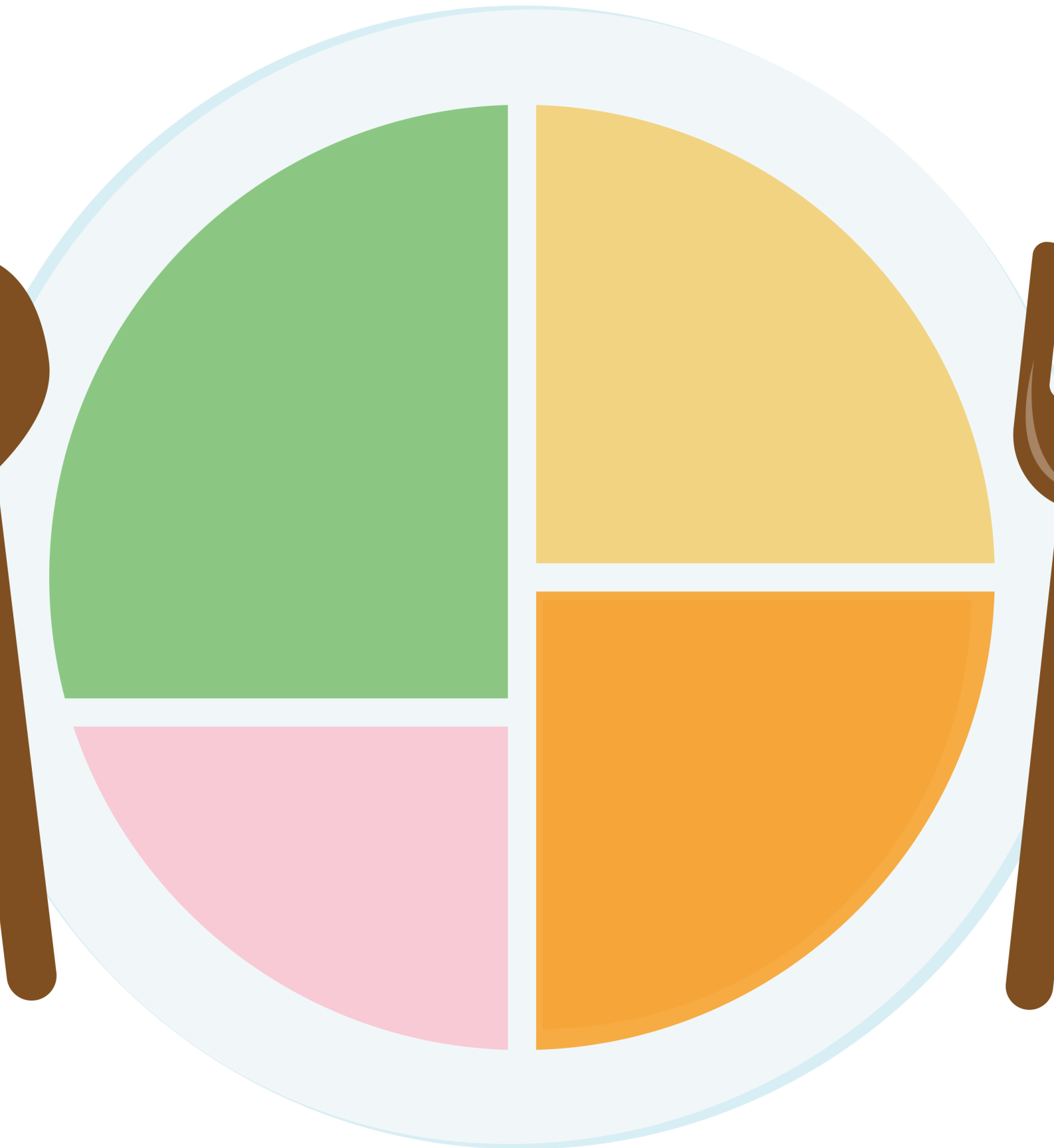
Healthy Fats

MAKE YOUR BODY MOVE REALLY WELL



Let's eat all the colors together!

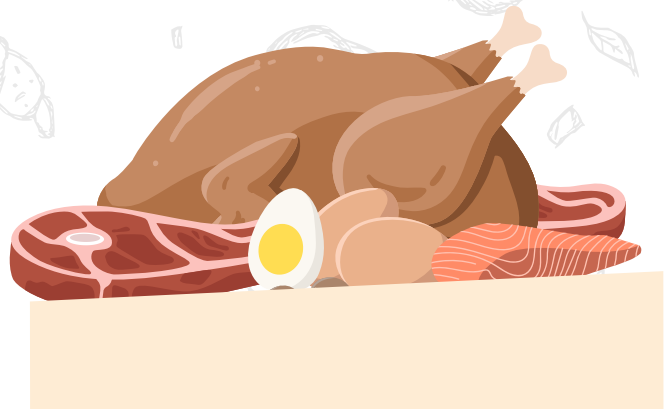
ACCORDING TO DIETITIANS, VEGETABLES SHOULD FILL MOST OF YOUR PLATE.
THEN WE ADD LOTS OF PROTEINS, FILL THE REST OF THE PLATE WITH SOME CARBS,
AND A LITTLE BIT OF HEALTHY FATS!





Directions:

- 1) Label each food group with the type of food:
Protein, Vegetable, Healthy Fats, and Carbohydrates!
- 2) Cut your food groups out
- 3) Stick them onto the correct section of your plate.



Atlasia's November Issue Ninety-Nine Poem

NINETY-NINE

By Yasmin Ayub | Art by Sepideh Baratian

AL-WALI

الوالي

THE PROTECTOR

Dear Allah,

You've blessed me with friends
That are close to my heart,
But You are that one friend,
Who's been there from the start.

You're Al-Wali, my Protector,
Watching over me every day.
You guard those who have faith,
In a very special way.

You always protected the Prophets
Who faced anger and hate,
You gave them hope and courage,
And always guarded their faith.

You raised Prophet Isa to the sky,
So that his enemy's plans would fail.
You kept Prophet Yunus safe,
In the belly of the whale.

You gave Prophet Yusuf hope
through a beautiful dream,
And commanded the fire to cool down
For Prophet Ibrahim.

You split the sea for Prophet Musa,
So his people could be free.
And told Prophet Nuh to build an ark,
To escape the deadly sea.

You defended the Ka'ba from an army
By sending birds with stones of clay.
You've been protecting Masjid Al-Aqsa
To this very day.

So as long as I strive to be better,
And stay close to You through prayer,
I feel at peace knowing
That I'm under Your special care.



LIGHTS, CAMERA, ATLASIA!

Share your Atlasia moments with us!

Show us how you read, craft, and have fun.

Let your fellow Atlasians see your creativity in action!

Submit your videos to:
editor@atlasiakids.com

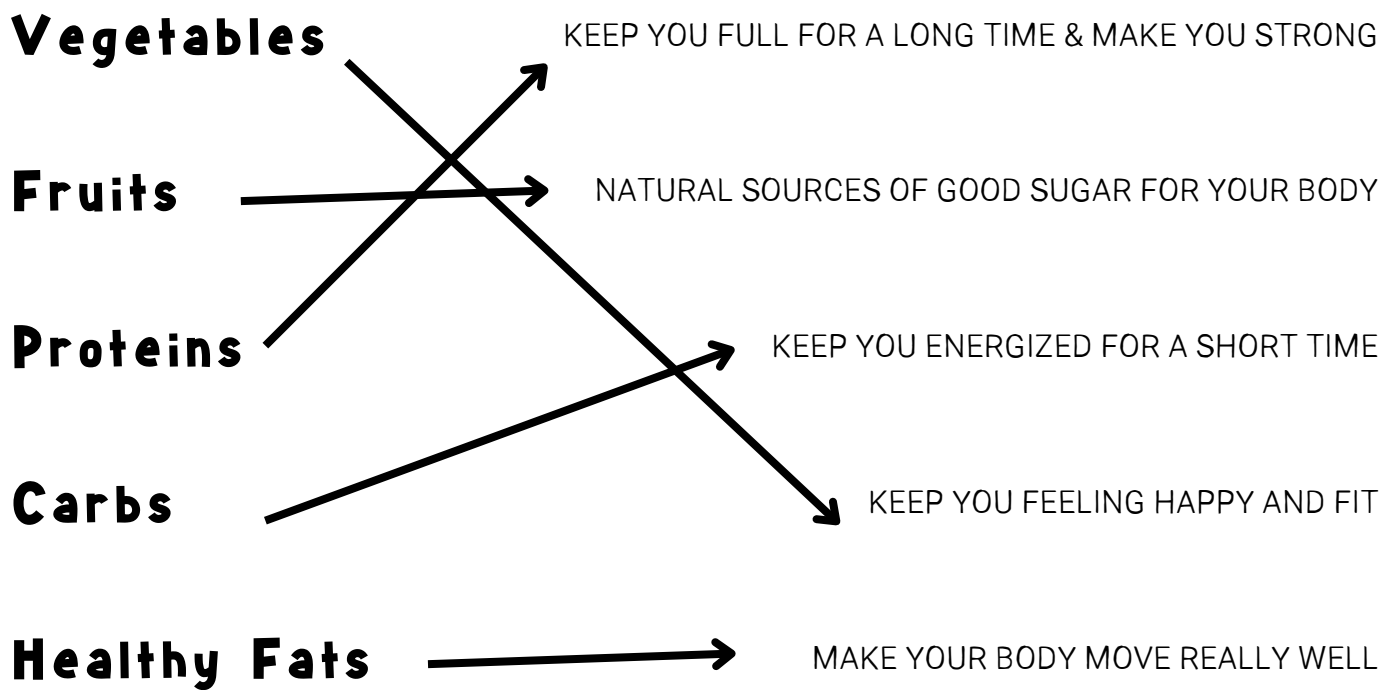
www.atlasiakids.com

Contact & Subscriptions: To order, make a payment, change your address, or for other customer services, please contact us:
Online: www.atlasiakids.com • Email: info@atlasiakids.com • Call: +1 (201) 554-1020 • Write to: 2 University Plz Ste 100, Hackensack, NJ 07601-6210. Subscriptions: Institutional \$49.95 • Bulk rates for schools available. • Prices may be subject to taxes and shipping rates.

©Atlasia Kids magazine is a trademark of Atlasia, 2023. All rights reserved, including the right of reproduction in whole or in part, in any form.

Designed for classroom and home use. Address manuscripts and other editorial contributions to the editors. Include a self-addressed stamped envelope for our reply only; manuscripts will not be returned. All letters and competition entries are assumed for publication and become the property of Atlasia. Authors are responsible for all statements made in their work. No part of this magazine may be used or reproduced without prior written permission of the publisher. For information regarding our privacy policy and compliance with the Children's Online Privacy Protection Act, please visit our website or write to us.

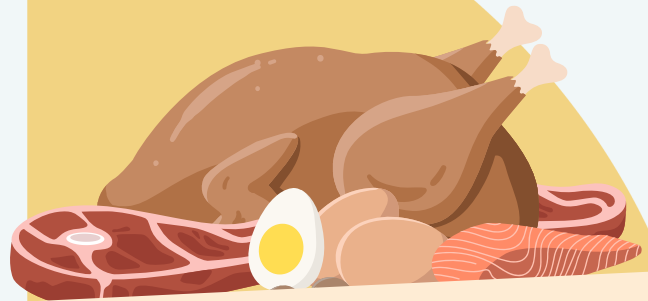
TEACHER KEY



TEACHER KEY



Vegetables



Proteins



Healthy Fats



Carbohydrates