

Name:

This completed organizer is due: _____

These are notes – you will NOT use complete sentences. You will use this organizer while you are writing. Make sure you spell correctly and can read your own writing. You may not have your iPad while you are completing your rough draft.

Birth:

Location:

Death:

Education (college or other training as an adult)

Choose a habit this person has demonstrated.
Include evidence of why you chose this habit.

I am researching to learn about (name):

What is their career or what was their role related to space?

Respond to at least one of the following:

How have they contributed to our knowledge of space?

What have they accomplished?

Why should they be recognized?

Habit (number, name, key points):

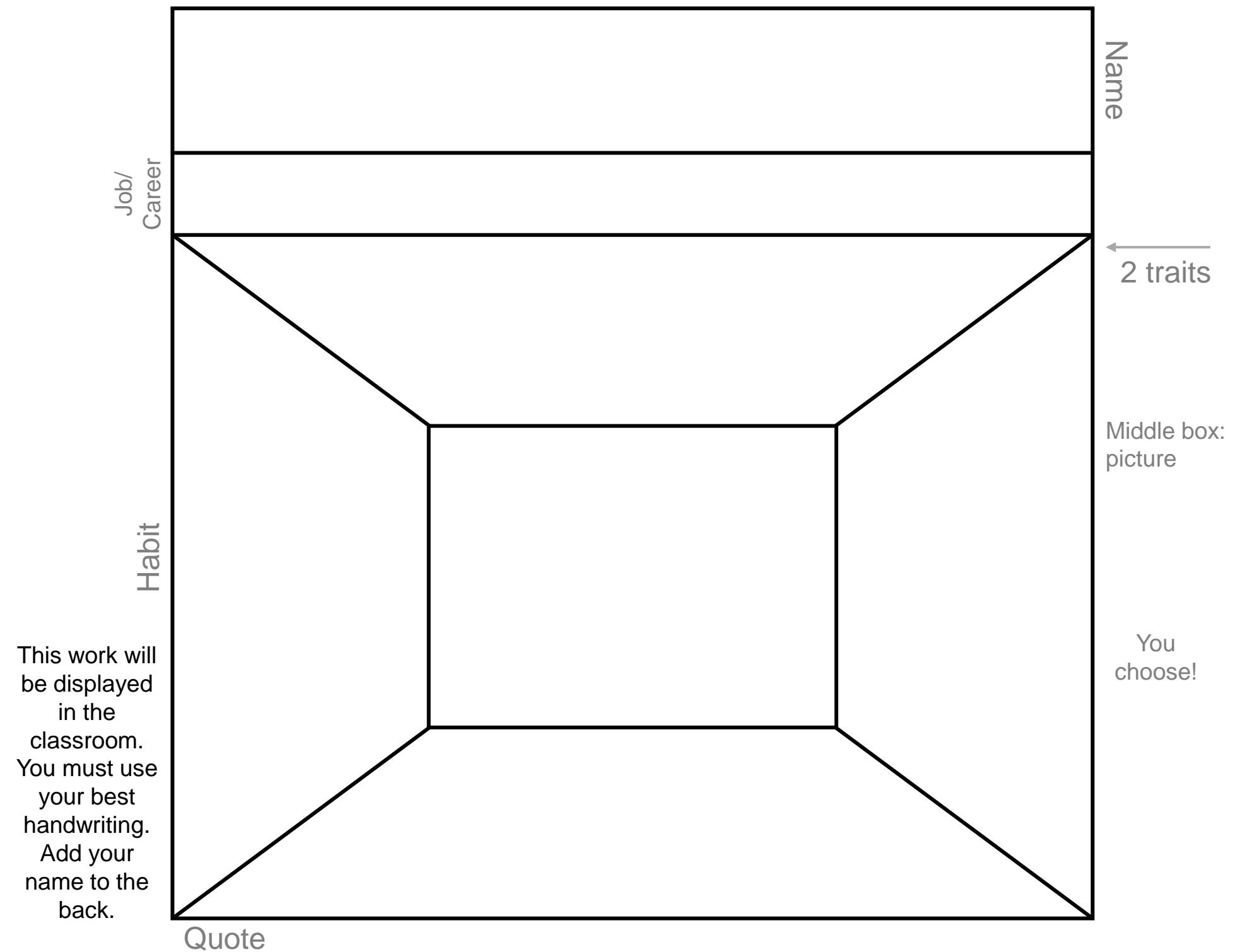
Evidence (include at least 2 reasons):

One word I would use to describe this person:
(include your evidence)

Another word I would use to describe this person:
(include your evidence)

What is an obstacle this person had to overcome?

Quote (*if there is not a known quote from this person, your teacher must sign this box)





Name: _____

Writing Directions

You will write three complete paragraphs

Paragraph 1: Introduce your subject.

- Name
- Country
- Type of scientist
- Date of birth
- Date of death
- Education
- Contribution to space
- What they are known for

Rubric:

Content

Paragraph 1	+ _____ / 8
Paragraph 2	+ _____ / 6
Paragraph 3	+ _____ / 6

Paragraph 2:

- 2 character traits
- Support or evidence – why did you choose each trait?
- A challenge they overcame

Grammar

Capitalization	+ _____ / 5
Punctuation	+ _____ / 3
Spelling	+ _____ / 5
Sentences make sense	
	+ _____ / 7

Paragraph 3:

- Habit displayed
- What does this habit mean
- At least two pieces of evidence

Total: + _____ / 40

Astronauts & Cosmonauts

1. Yuri Gagarin (USSR)
2. Sally Ride (USA)
3. Peggy Whitson (USA)
4. Chris Hadfield (Canada)
5. Sunita Williams (USA / Indian heritage)
6. Ellen Ochoa (USA / Mexican-American)
7. Buzz Aldrin (USA)
8. John Glenn (USA)
9. Alexei Leonov (USSR/Russia)
10. Jessica Meir (USA)
11. Christina Koch (USA)
12. Helen Sharman (UK)
13. Anousheh Ansari (Iranian-American, space tourist / entrepreneur)
14. Liu Yang (China)
15. Yang Liwei (China)
16. Rakesh Sharma (India)
17. Rodolfo Neri Vela (Mexico)
18. Marcos Pontes (Brazil)
19. Franklin Chang-Díaz (Costa Rica / USA)
20. Claudie Haigneré (France)

Aerospace Engineers & Rocket Scientists

1. Sergei Korolev (Soviet chief rocket engineer)
2. Qian Xuesen (China, rocket scientist / “father of Chinese rocketry”)
3. Mary G. Ross (USA, the first Native American woman engineer, Lockheed)
4. Max Faget (USA, spacecraft designer)
5. Igor Sikorsky (Ukraine/USA, aircraft & rotorcraft pioneer)
6. Oleg Antonov (USSR/Ukraine, aircraft designer)
7. Theodore von Kármán (Hungary/USA, aerospace scientist)
8. Jack Northrop (USA, aircraft designer)
9. Tiera Fletcher (USA)
10. Farah Alibay (USA, worked on Mars Perseverance rover)
11. Beth Moses (USA)

Astronomers & Astrophysicists

1. Jocelyn Bell Burnell (Northern Ireland, pulsar discoverer)
2. Vera Rubin (USA, work on dark matter)
3. Carl Sagan (USA, planetary scientist & communicator)
4. Carolyn Porco (USA, planetary scientist & Cassini imaging team leader)
5. Heidi Hammel (USA, planetary astronomer, Neptune/Uranus expert)
6. Michel Mayor (Switzerland, exoplanet discoverer)
7. Didier Queloz (Switzerland, exoplanet discoverer)
8. Annie Jump Cannon (USA, stellar classification pioneer)
9. Edwin Hubble (USA, galaxy expansion / Hubble Space Telescope namesake)
10. Martin Rees (England)
11. Sara Seager (Canada/USA, exoplanet & atmosphere researcher)
12. Andrea Ghez (USA, work on the Milky Way's central black hole)
13. Mark SubbaRao (modern astronomer)

Planetary Scientists / Geologists

1. Eugene Shoemaker (USA, planetary geologist)
2. Maria Zuber (USA, planetary geophysicist, moon and Mars studies)
3. Ellen Stofan (USA, planetary scientist, NASA leader)
4. Pamela Gay (USA, astronomer & educator, planetary observations)
5. Alyssa Rhoden (planetary scientist with work on icy moons)
6. Wendy Calvin (USA, Mars geology researcher)
7. Anita Ho (planetary geologist)

Mission Planners, Flight Directors & Controllers

1. Gene Kranz (USA, NASA flight director)
2. Chris Kraft (USA, NASA's first flight director)
3. Holly Ridings (USA, NASA flight director)
4. Rhea Seddon (astronaut/physician with mission planning experience)
5. John Aaron (NASA flight controller known for Apollo-era troubleshooting)
6. Sergey Krikalev (cosmonaut with long-duration experience and operational work)
7. Rob Manning (entry-descent-landing engineer on Mars missions)

Roboticists, Instrument & Spacecraft Engineers

1. Charles Kohlhase (mission designer for robotic spacecraft)
2. Marc Rayman (DS-1 and Dawn mission manager/engineer)
3. Adam Steltzner (engineer on Mars Science Laboratory entry system)
4. Ashwin Vasavada (MSL Project Scientist — planetary missions)
5. Swati Mohan (guidance, navigation & control lead for Mars 2020 Perseverance landing)
6. Al Worden (responsible for rover or lander instrumentation)

Space Medicine, Life-Support & Food Scientists / Chefs

1. John Charles ("food science" teams at NASA)
2. Dr. Eugene Shoemaker (USA)
3. Scott J. (space biologists studying plant growth in microgravity)
4. Dr. Ray Wheeler (NASA life-support / plants in space researchers)

Space Communicators & Educators

1. Neil deGrasse Tyson (USA, astrophysicist and communicator)
2. Bill Nye (USA, engineer & educator, planetary advocacy)
3. Katherine Johnson
4. Chris Lintott (UK, astrophysicist & public educator)
5. Emily Lakdawalla (planetary geologist & space writer)
6. Maggie Aderin-Pocock (UK, space scientist & science presenter)
7. José Hernández (Mexican-American engineer/astronaut and public speaker)

Spacesuit, Spacecraft & Materials Designers

1. Jose Fernandez (costume/designer who worked with NASA on modern suits / worked on private suit designs)
2. Mary G. Ross (also relevant for design and aerospace concepts)
3. Beth Moses (USA)