

CHANGING CONSTELLATIONS

PAPER GAME

USE THE THINK DIFFERENTLY SUCCESS SKILL TO FIND NEW CONSTELLATIONS

TIME

20–25 minutes

STRUCTURE

Large group, small group, pairs

MATERIALS

- ✓ **Constellation Sheets** (1 set per player)
- ✓ **Animal Cards**
- ✓ **Star Map** (1 per player, or 1 per group)
- ✓ Paper and tools for drawing

PREPARE AHEAD OF TIME

- ✓ Print as many **Constellation Sheets** as needed.
- ✓ Print and cut out the **Animal Cards**.

CAREER BUNDLE

STEM

CAREER

Astronomer

SUCCESS SKILL

Think Differently: Try new things and find creative ways to solve a problem. Learn from your mistakes and make changes.

Each time you say **Think Differently in this activity, please do the following as a corresponding ASL sign: Form a fist with one hand, leaving your pointer finger up. Touch your temple using your finger. Then bring both hands in front of your chest, forming fists with both hands. Leave both pointer fingers out and bring them together, so that the tips of your fingers are touching. Move your fingers away from each other while moving them up and down repeatedly, until your hands are in front of your shoulders.*

20 MIN: HOW TO PLAY (Large group, small groups, pairs)

1. Give each player a **constellation sheet**. Each sheet is labeled with a number, make sure everyone uses the same number sheet each time. The facilitator holds the animal cards. Facilitators can play along.
2. When everyone is ready, the facilitator draws an **animal card** and calls out the name of the animal for everyone to hear.



3. Players spend about 2 minutes connecting stars to make a constellation that looks like the animal on the **animal card**.
4. Repeat steps 2 and 3 as many times as time allows. 3 times minimum is recommended. Players can take a minute after each drawing to compare their drawings.
5. When everyone is done with their constellations, take out the **star maps**. Pass one out to each player.
6. Each constellation has a landmark star or cluster of stars. Players work together to find those landmark stars from their constellations on the **star map**. Allow everyone to look at each other's **star maps** and compare ideas. When they can find and label all of them, they win!

GROUP MANAGEMENT

1. Pass out **constellation sheets** one at a time or put them in piles by number to make sure everyone uses the same one.
2. There are no right or wrong answers for constellations. Remind players to use their **Think Differently** skill when creating constellations.
3. You can do the **star map** together as a group during the reflection section if players are struggling.

10 MIN: INTRODUCTION

Say, "We are going to play a game about Astronomers. Astronomers are scientists who study stars, planets, and objects in space. They use special tools, like telescopes, to observe space. Astronomers work closely with other scientists from all over the world to share their ideas."

*You will use the **Think Differently** Success Skill for this game. Astronomers use the **Think Differently** Success Skill when they do their work. They observe stars and look for patterns and shapes. Astronomers call patterns of stars **constellations**. Astronomers have to **Think Differently** to find patterns and decide what they look like. You also use the **Think Differently** Success Skill in your everyday life! For example, you use it when you change subjects in school or while doing homework. In our game, we will be the Astronomers! For this game, everyone will get a piece of paper with stars on it. Then, I'll pick an **animal card**. Think of how you could make a constellation of that animal on your sheet. How can you connect the stars to make lines that look like the animal? When everyone is done, we'll compare and see how differently everyone else drew their constellations."*



5 MIN: REFLECTION

Have a brief discussion with children about the activity. **Say,**

- *"What Success Skill did you use today?"*
 - *"Why is it important to use the **Think Differently** skill when making constellations?"*
- "It's important to **Think Differently** in a lot of jobs. What is another job that also uses this success skill?"*



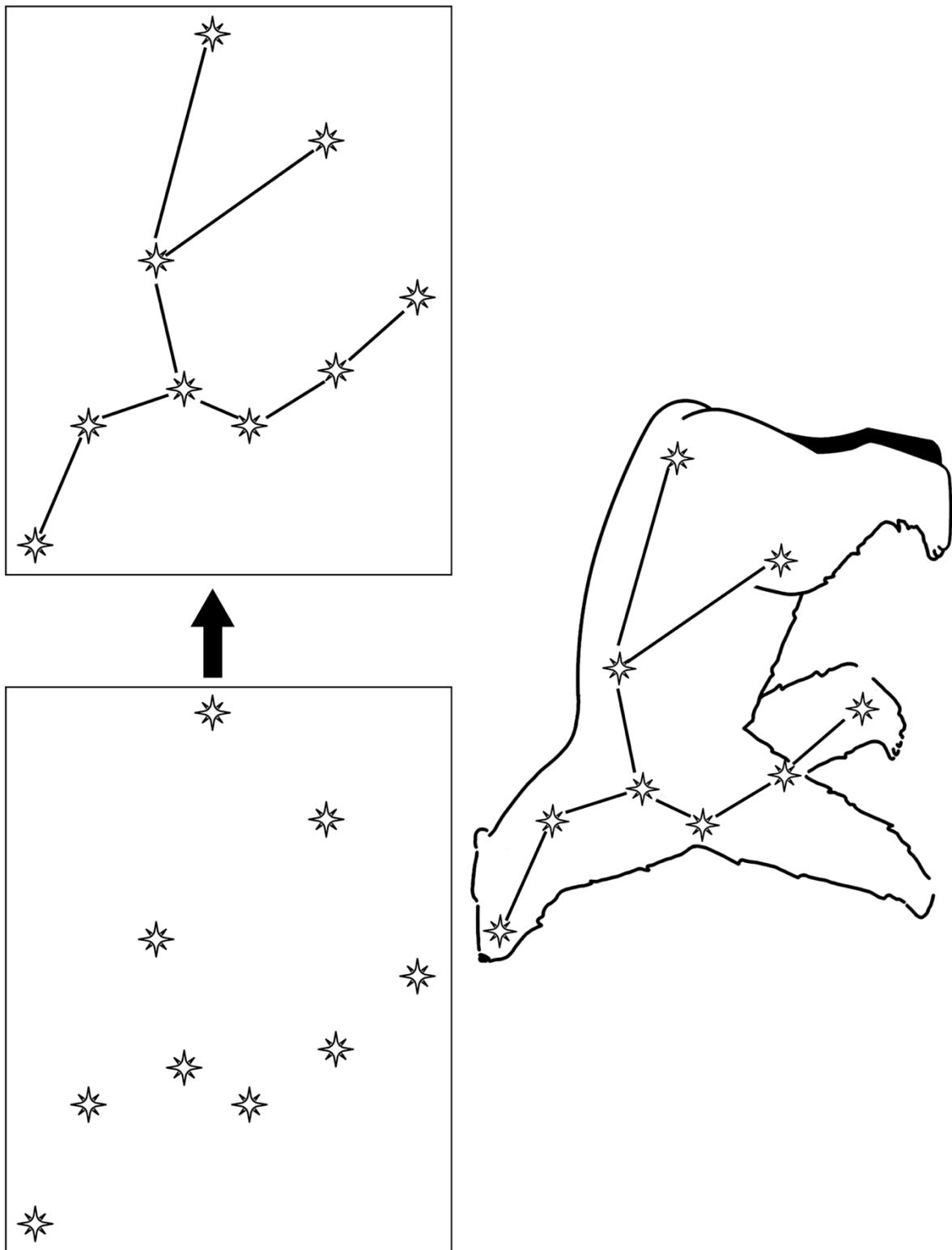
REAL CONSTELLATION REFERENCE PICTURE



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DRAWN CONSTELLATION REFERENCE PICTURE



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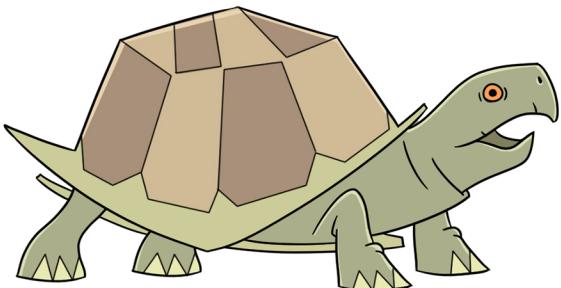
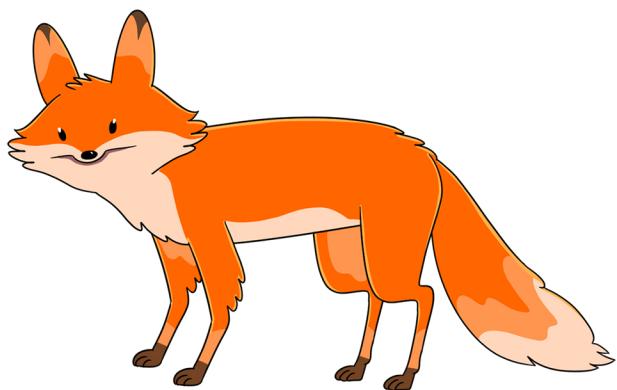
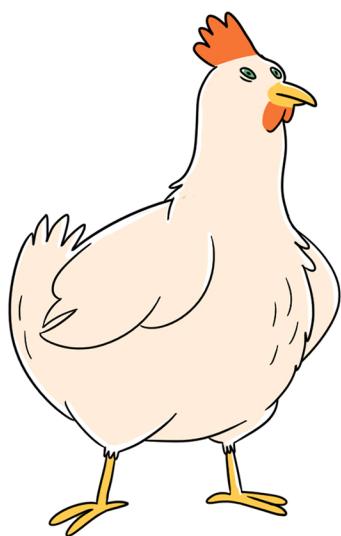
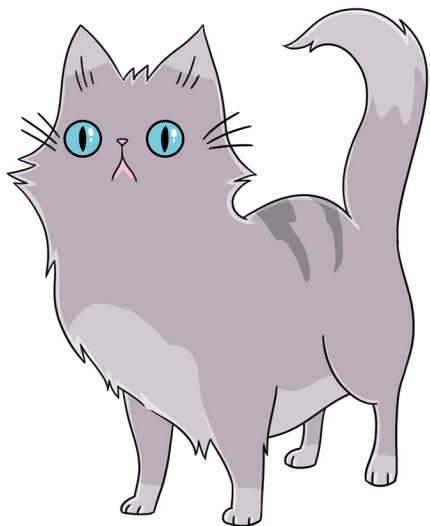
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Career information included in Mashopolis materials was informed by O*Net Online job descriptions. All job descriptions and career information is current as of the date of publication.

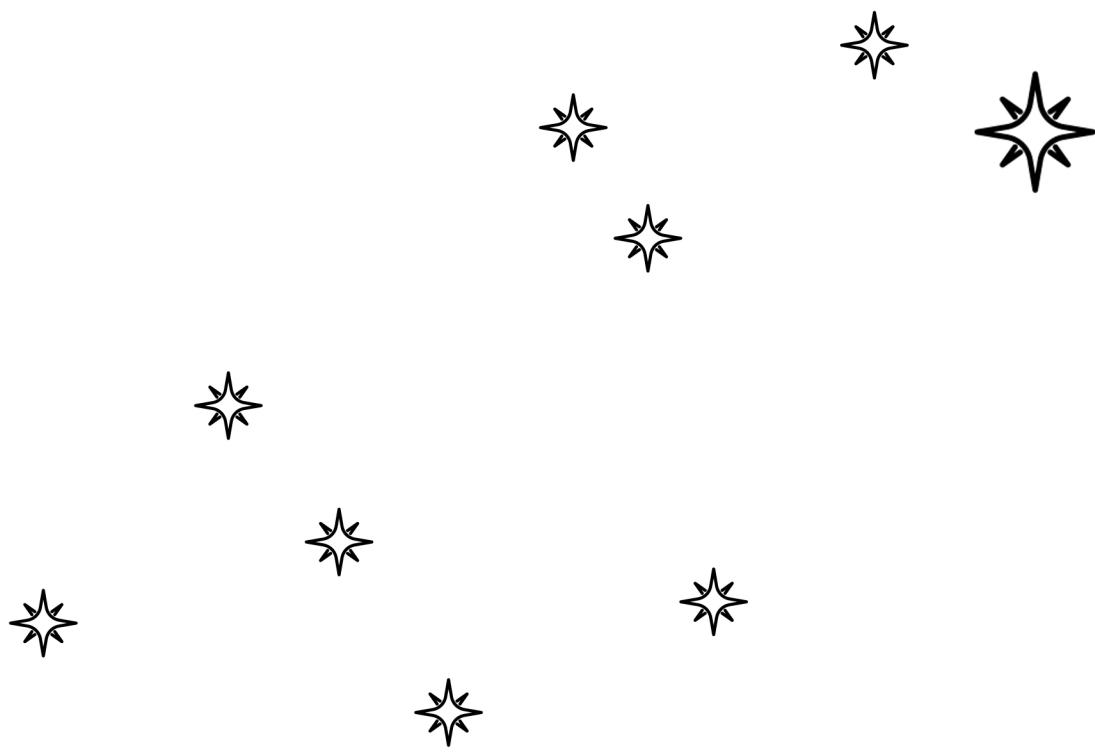
ANIMAL CARDS



CONSTELLATION SHEET 1



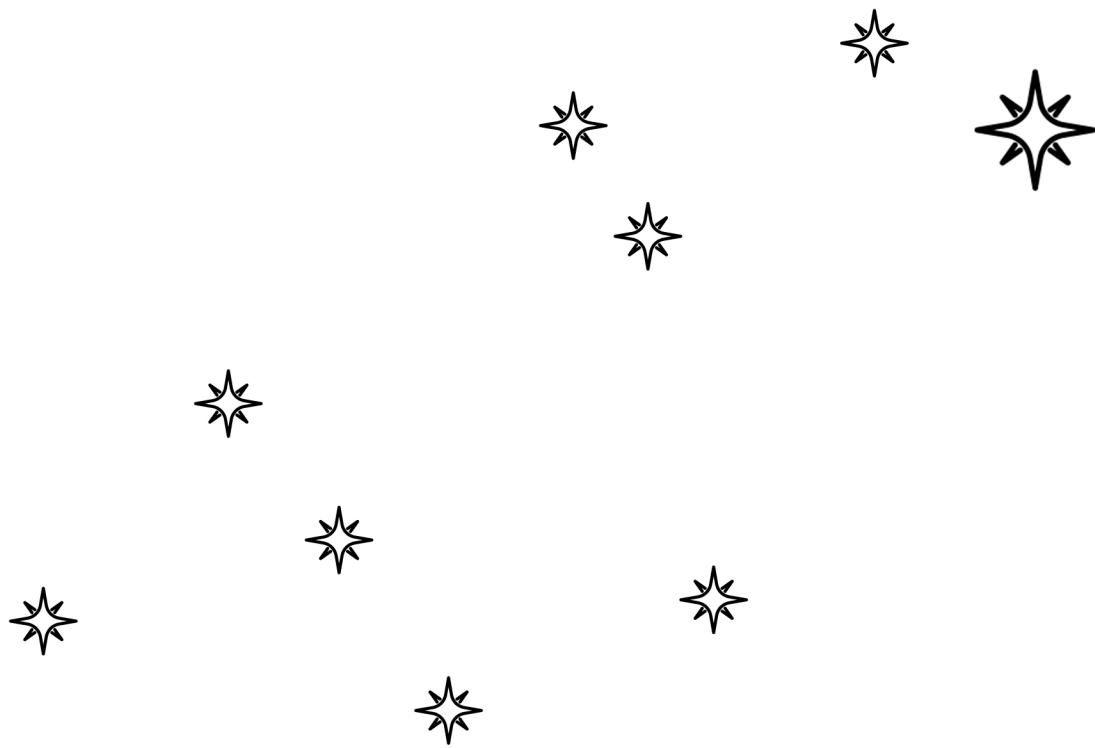
CONSTELLATION SHEET 2



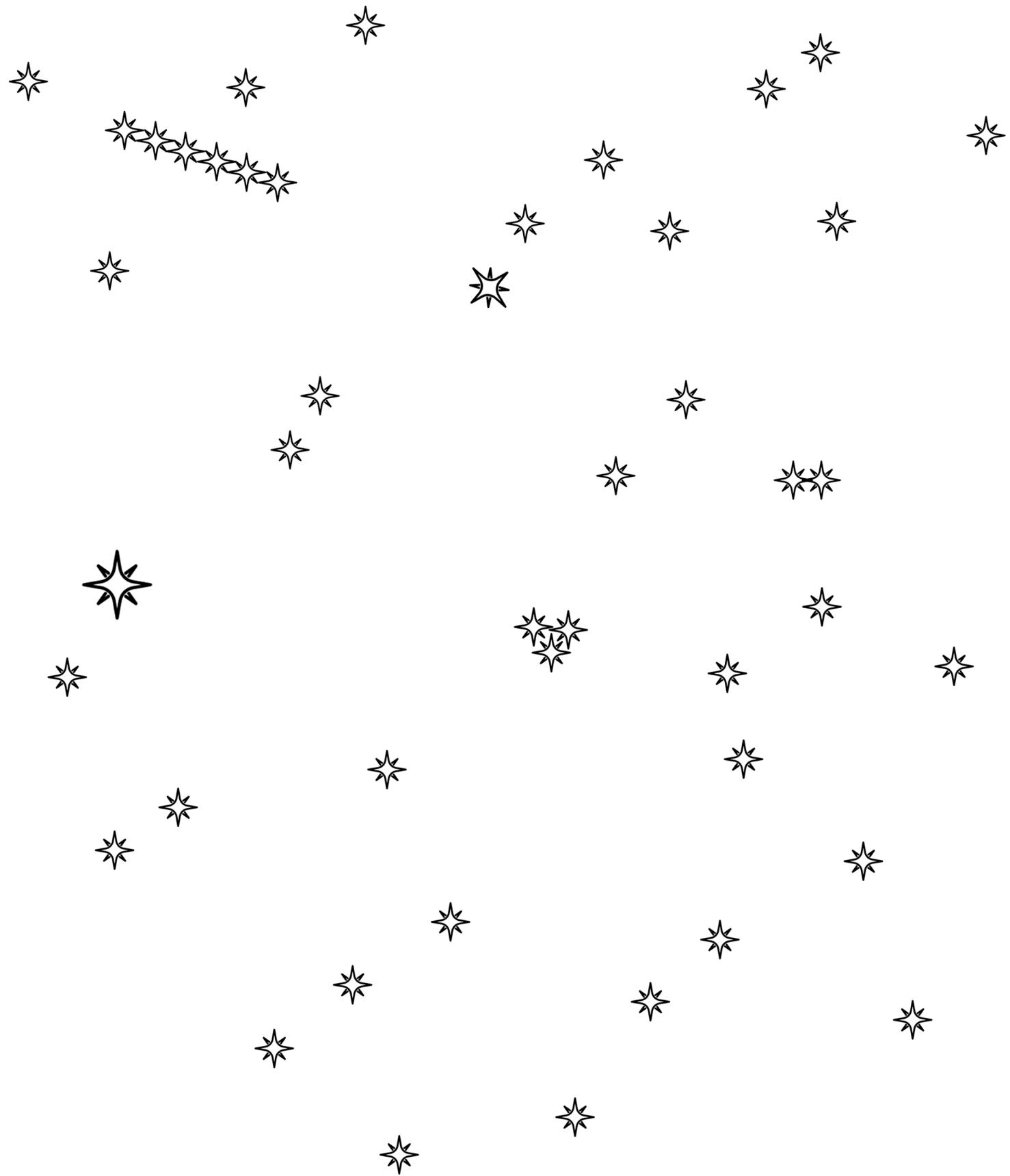
CONSTELLATION SHEET 3



CONSTELLATION SHEET 4



STAR MAP



STAR MAP ANSWERS

