

Psyche Crosswords

Addison Rizer

Psyche Inspired – Iron Class

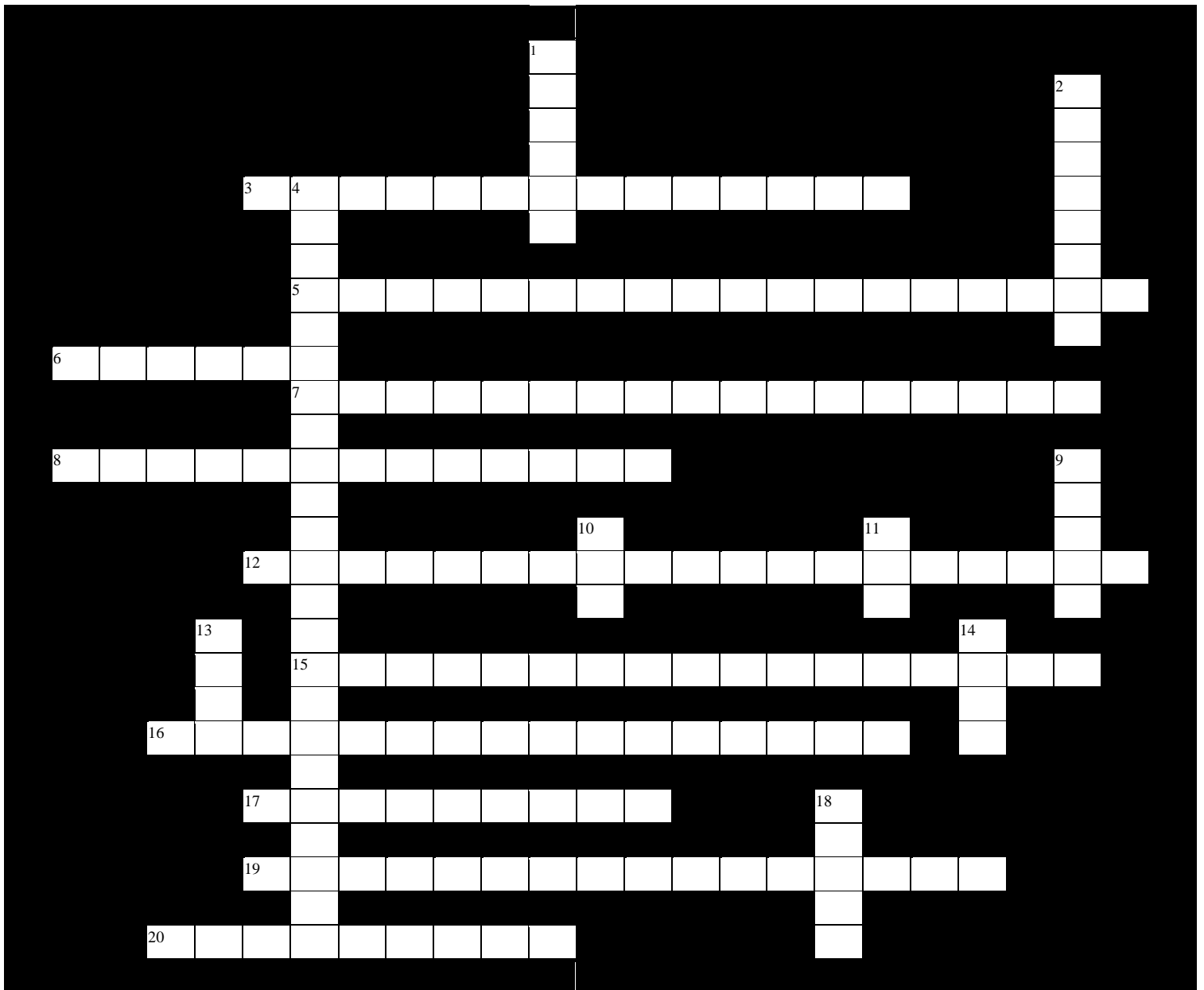
2018-2019

Functional Crosswords

Print Them Out and Find the Answers on Psyche.Asu.Edu

Psyche Crossword

All answers can be found by exploring psyche.asu.edu!



Across

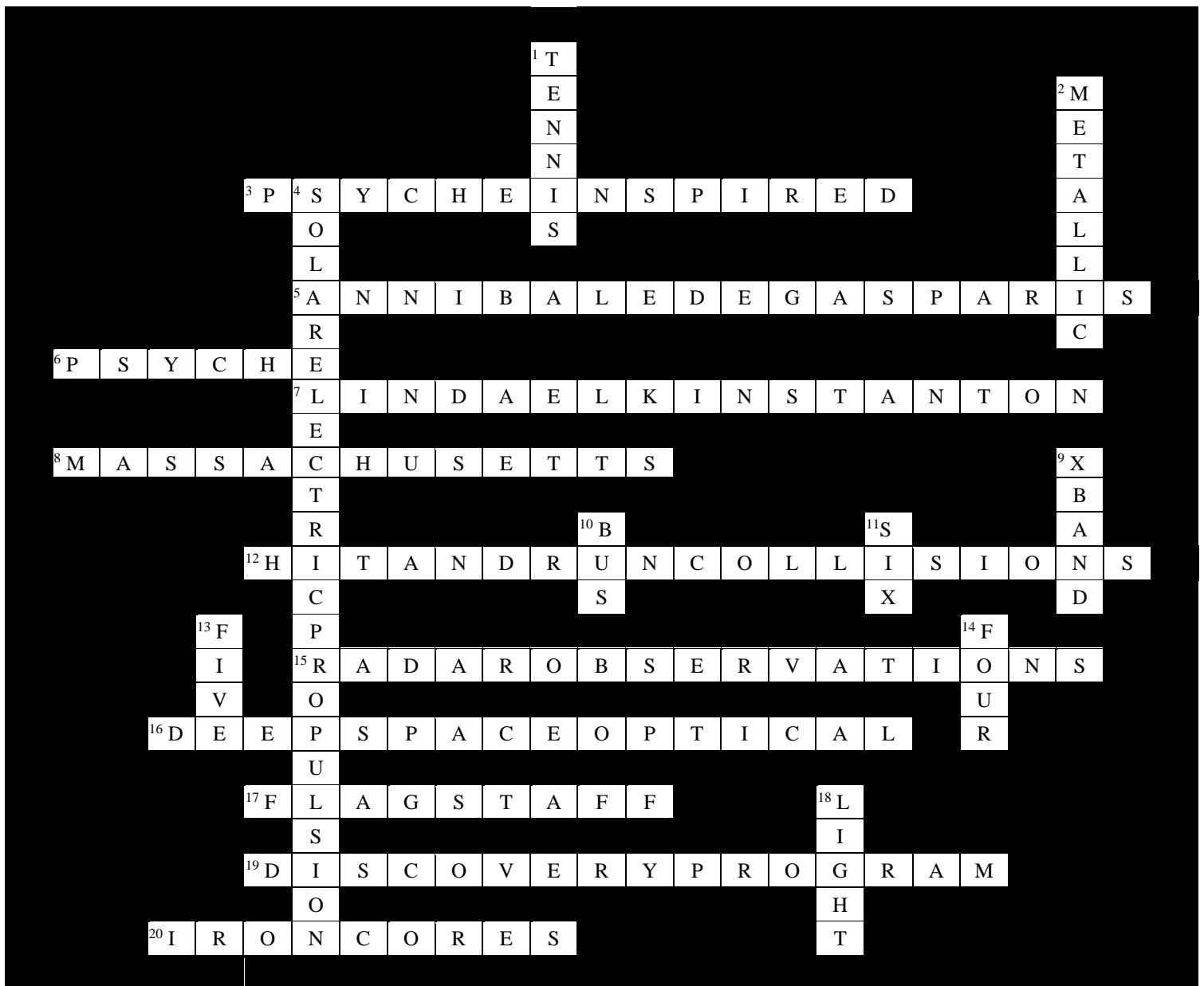
- 3 program in which undergraduate students share Psyche with the public through creative works
- 5 discoverer of Psyche
- 6 Goddess of the Soul
- 7 Psyche's Principal Investigator
- 8 Psyche's diameter as a perfect sphere is as long as this state
- 12 Psyche likely survived a few of these
- 15 used to determine Psyche's composition along with thermal inertia
- 16 a sophisticated new laser technology
- 17 If Psyche were in Arizona, it would stretch between Phoenix and this city.
- 19 Psyche was selected for this NASA program
- 20 understand a previously unexplored building block of planet formation:___

Down

- 1 Psyche spacecraft is the size of this sports court
- 2 the core of Psyche is thought to be this
- 4 Psyche spacecraft will use this to travel to the asteroid
- 9 type of radio science used by Psyche
- 10 other name for the body of the spacecraft
- 11 number of phases of typical space mission
- 13 one year on Psyche lasts this many Earth years
- 14 number of orbits the spacecraft will make around Psyche
- 18 Using ___ instead of radio allows the spacecraft to communicate more data in a given amount of time.

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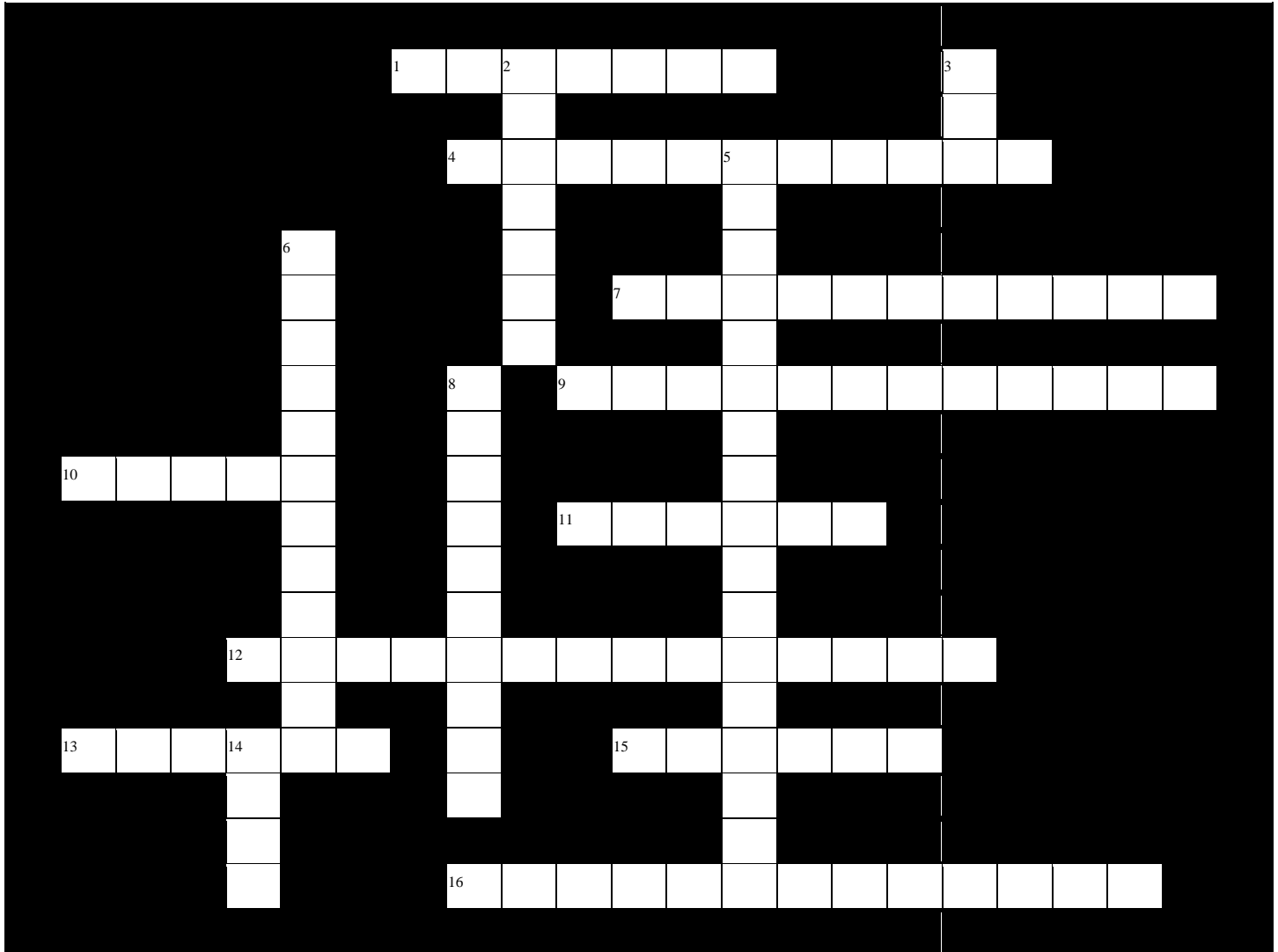
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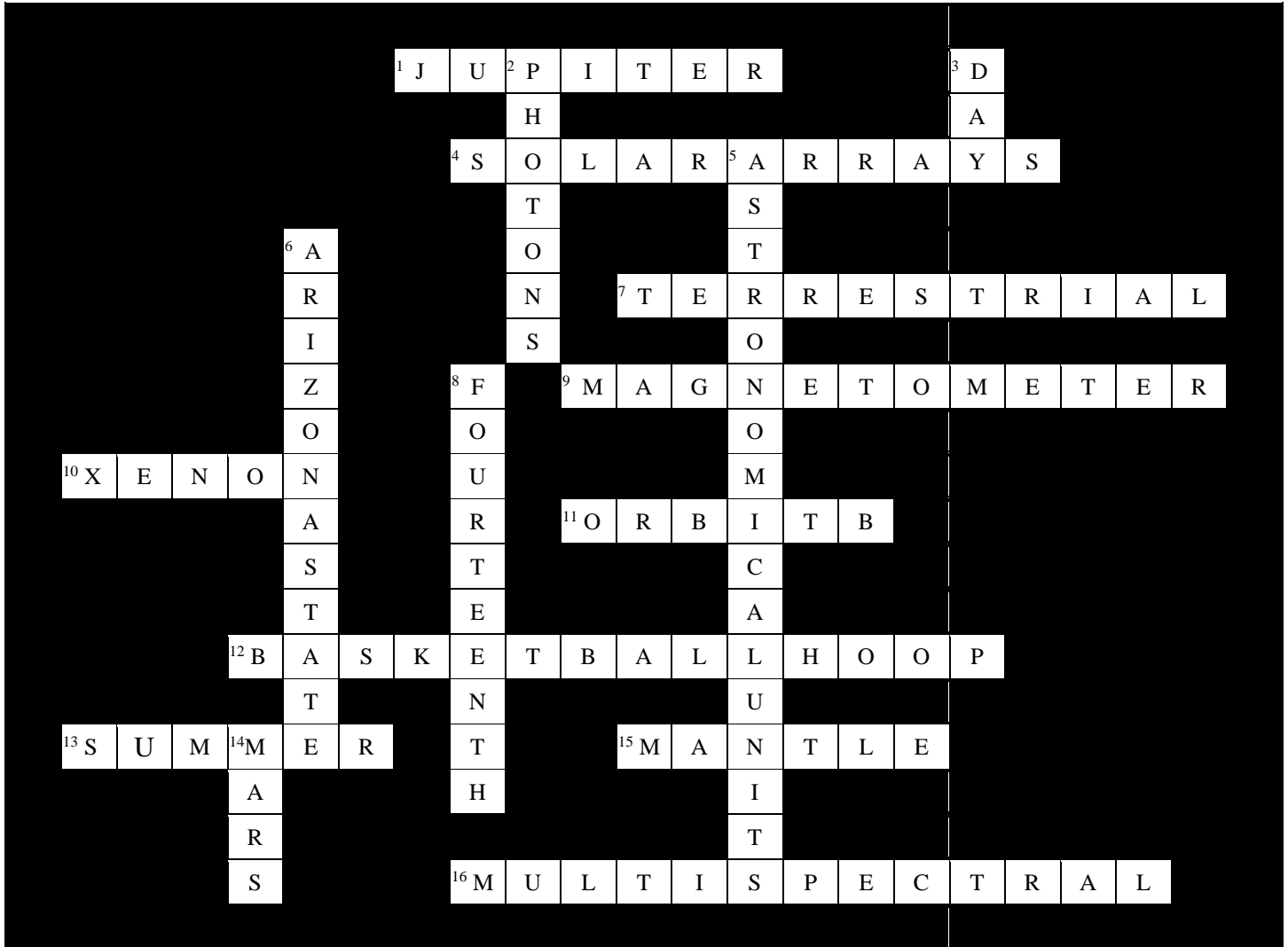
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Across	Down
1 Psyche lies between Mars and ____	2 The Deep Space Optical Communication technology will encode data in ____ to communicate between the spacecraft and Earth
4 Arranged in a cross formation on the Psyche spacecraft	3 This on Psyche takes four hours and twelve minutes
7 One of the mission's science goals is to look inside ____ planets	5 Psyche follows an orbit at three of these
9 Designed to detect and measure the remnant magnetic field of Psyche	6 The university leading the Psyche mission
10 The type of propellant the Psyche spacecraft will use	8 Psyche is the ____ mission selected for NASA's Discovery Program
11 The orbit around Psyche for topography	14 The Psyche spacecraft will fly by this planet in 2023
12 The body of the spacecraft is as tall as one of these	
13 The season the Psyche spacecraft is set to launch in 2022	
15 The part of Psyche stripped away by violent impacts	
16 The Psyche spacecraft will carry a ____ imager	

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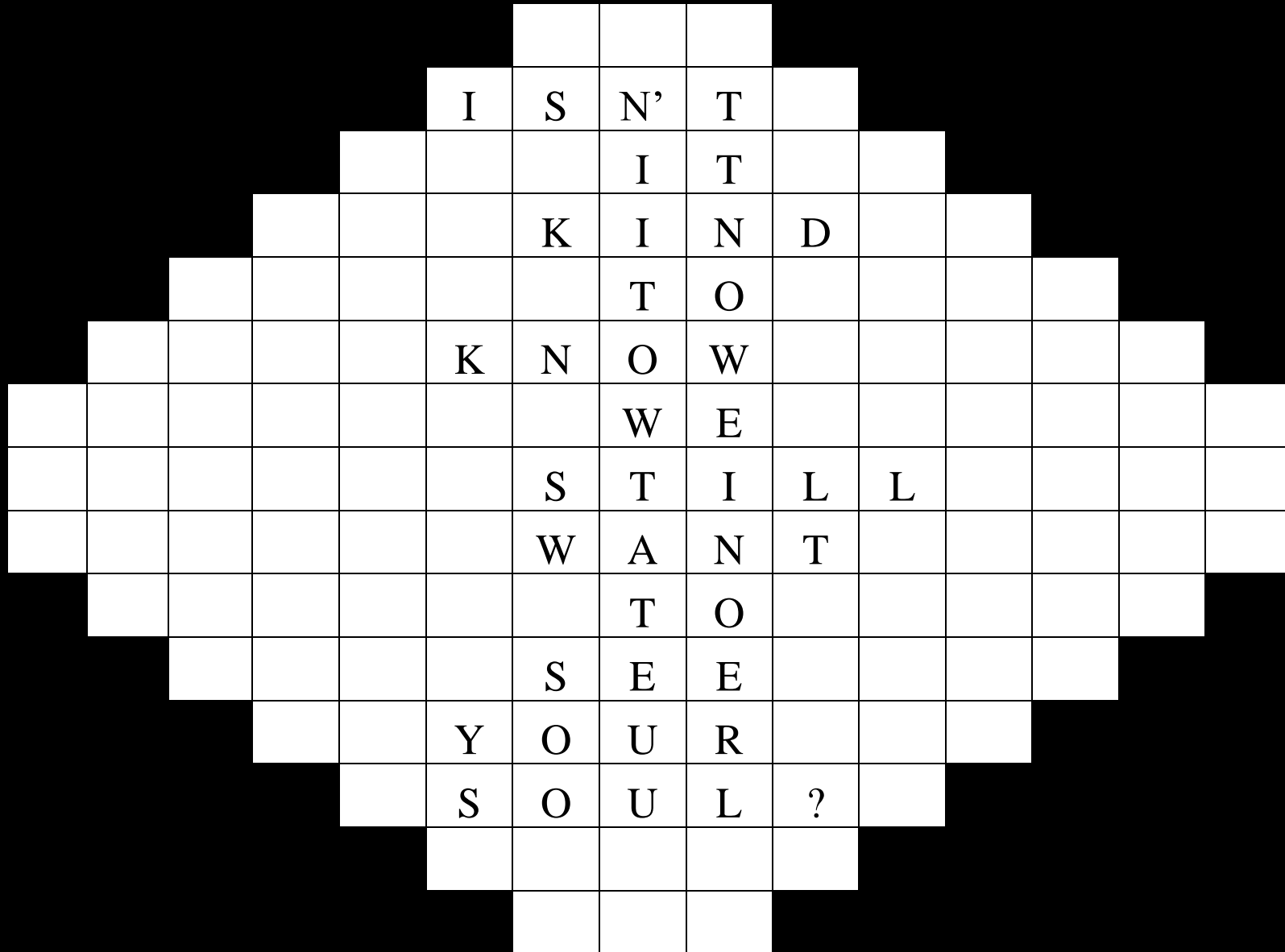


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Crossword Poems

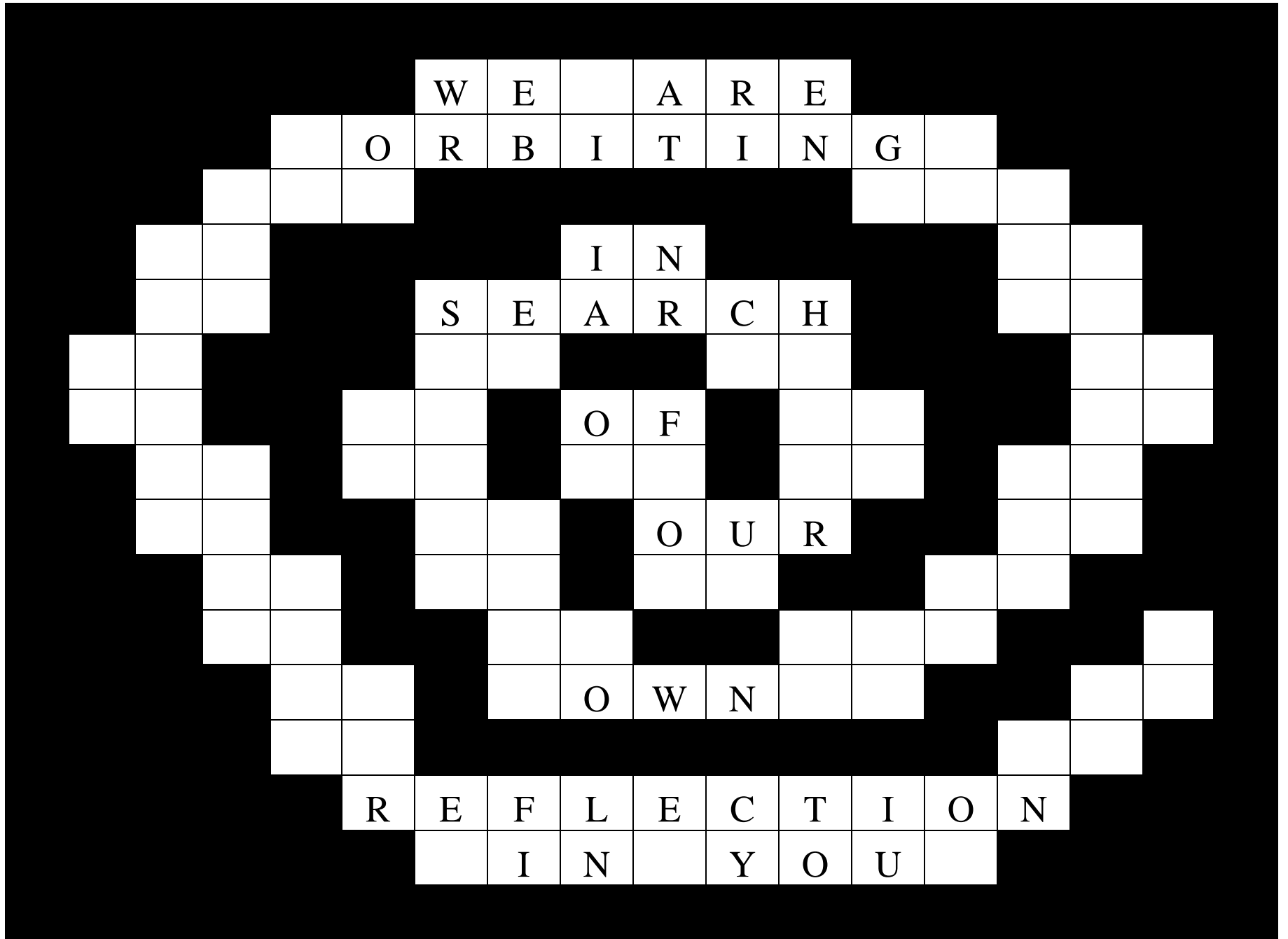
A Series of Crossword Poems Inspired by Psyche

(16) Psyche



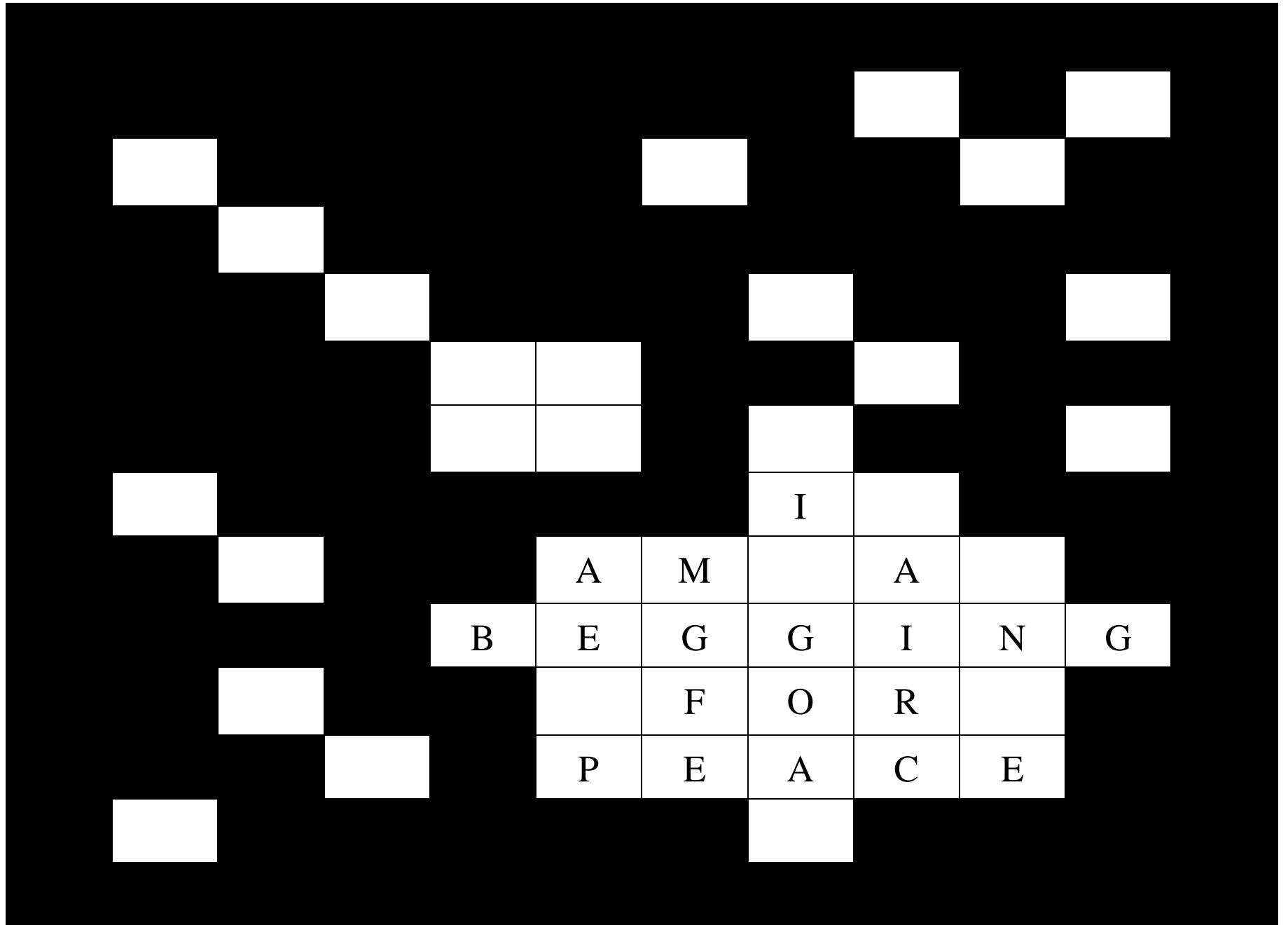
[The Psyche asteroid, named after the Goddess of Soul by discovered Annibale de Gasparis. This was the sixteenth asteroid discovered by de Gasparis which is why it's often titled (16) Psyche.]

The Orbiting



[The Psyche spacecraft will orbit the asteroid four times, each orbit with the goal to gather information about Psyche and how it might reflect the characteristics of the core of Earth and the development of terrestrial planets.]

The Collision



[The asteroid Psyche is thought to have experienced a few hit-and-run collisions, stripping the mantle from the protoplanet and leaving behind only the metallic core.]

