

Name: Alpha Centauri
Type: Star



First Identified: 2000 BCE
Distance: 4.4 light years from Earth
Diameter (km): 1,700,000
Standard Form: 1.7×10^6
Brightness: 6.25 compared to North Star

Image credit: The Schools' Observatory PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Andromeda - M31
Type: Galaxy



First Identified: 964
Distance: 2,500,000 light years from Earth
Diameter (km): 2,100,000,000,000,000
Standard Form: 2.1×10^{18}
Brightness: 0.26 compared to North Star

Image credit: NASA/JPL-Caltech PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Caldwell 30 - NGC 7331
Type: Galaxy



First Identified: 1784
Distance: 40,000,000 light years from Earth
Diameter (km): 1,100,000,000,000,000
Standard Form: 1.1×10^{18}
Brightness: 0.0004 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Canopus
Type: Star



First Identified: 2000 BCE
Distance: 310 light years from Earth
Diameter (km): 99,000,000
Standard Form: 9.9×10^7
Brightness: 12 compared to North Star

Image credit: The Schools' Observatory PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Ceres
Type: Dwarf Planet



First Identified: 1801
Distance: <0.0001 light years from Earth
Diameter (km): 946
Standard Form: 9.46×10^2
Brightness: 0.013 compared to North Star

Image credit: NASA/JPL-Caltech/ UCLA/MPS/DLR/IDA PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Earth
Type: Planet



First Identified: 300,000 BCE
Distance: 0 light years from Earth
Diameter (km): 12,740
Standard Form: 1.274×10^4
Brightness: - compared to North Star

Image credit: NASA PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Eris
Type: Dwarf Planet



First Identified: 2003
Distance: 0.0011 light years from Earth
Diameter (km): 2,326
Standard Form: 2.326×10^3
Brightness: 0.0000002 compared to North Star

Image credit: NASA PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Ganymede
Type: Moon (Jupiter)



First Identified: 1610
Distance: <0.0001 light years from Earth
Diameter (km): 5,268
Standard Form: 5.268×10^3
Brightness: 0.11 compared to North Star

Image credit: NASA, ESA, and E. Karkoschka (Uni. Of Arizona) PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Jupiter
Type: Planet



First Identified: 2000 BCE

Distance: <0.0001 light years from Earth

Diameter (km): 139,800
Standard Form: 1.398×10^5

Brightness: 27 compared to North Star

Image credit: NASA/JPL-Caltech/SwRI/ MSSS/Kevin M. Gill

Name: Mars
Type: Planet



First Identified: 2000 BCE

Distance: <0.0001 light years from Earth

Diameter (km): 6,780
Standard Form: 6.78×10^3

Brightness: 90 compared to North Star

Image credit: NASA

Name: Mercury
Type: Planet



First Identified: 2000 BCE

Distance: <0.0001 light years from Earth

Diameter (km): 4,880
Standard Form: 4.88×10^3

Brightness: 56 compared to North Star

Image credit: NASA/JHUAPL/Carnegie Inst. Of Wash./USGS/Ariz. State

Name: Messier 107
Type: Globular Cluster



First Identified: 1782

Distance: 21,000 light years from Earth

Diameter (km): 600,000,000,000
Standard Form: 6×10^{14}

Brightness: 0.0018 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory

Name: Messier 53
Type: Globular Cluster



First Identified: 1775

Distance: 58,000 light years from Earth

Diameter (km): 2,100,000,000,000,000
Standard Form: 2.1×10^{15}

Brightness: 0.0029 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory

Name: Messier 74
Type: Galaxy



First Identified: 1780

Distance: 30,000,000 light years from Earth

Diameter (km): 900,000,000,000,000,000
Standard Form: 9×10^{17}

Brightness: 0.00062 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory

Name: Messier 87
Type: Galaxy



First Identified: 1781

Distance: 53,000,000 light years from Earth

Diameter (km): 1,100,000,000,000,000,000
Standard Form: 1.1×10^{18}

Brightness: 0.0009 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory

Name: Messier 88
Type: Galaxy



First Identified: 1850

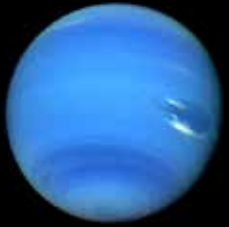
Distance: 47,000,000 light years from Earth

Diameter (km): 1,000,000,000,000,000,000
Standard Form: 1×10^{18}

Brightness: 0.00043 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory

Name: Neptune
Type: Planet



First Identified: 1846
Distance: 0.0005 light years from Earth
Diameter (km): 49,500
Standard Form: 4.95×10^4
Brightness: 0.0052 compared to North Star

Image credit: NASA/JPL PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: NGC 6951
Type: Galaxy



First Identified: 1877
Distance: 73,000,000 light years from Earth
Diameter (km): 700,000,000,000,000
Standard Form: 7×10^{17}
Brightness: 0.00025 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Northern Trifid Nebula NGC 1579
Type: Nebula



First Identified: 1827
Distance: 2,100 light years from Earth
Diameter (km): 30,000,000,000,000
Standard Form: 3×10^{13}
Brightness: 0.0000062 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

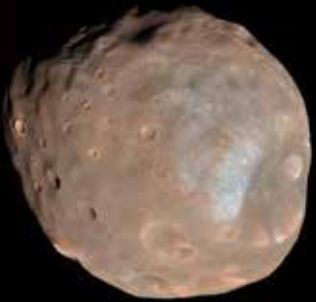
Name: Omega Nebula - Horseshoe Nebula
Type: Nebula



First Identified: 1764
Distance: 5,500 light years from Earth
Diameter (km): 210,000,000,000,000
Standard Form: 2.1×10^{14}
Brightness: 0.025 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Phobos
Type: Moon (Mars)



First Identified: 1877
Distance: <0.0001 light years from Earth
Diameter (km): 23
Standard Form: 2.3×10^1
Brightness: 0.00012 compared to North Star

Image credit: NASA PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Pluto
Type: Dwarf Planet



First Identified: 1930
Distance: 0.0008 light years from Earth
Diameter (km): 3,767
Standard Form: 3.767×10^3
Brightness: 0.000021 compared to North Star

Image credit: NASA/JHUAPL/SwRI PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Polaris
Type: Triple Star System



First Identified: 1779
Distance: 433 light years from Earth
Diameter (km): 52,000,000
Standard Form: 5.2×10^7
Brightness: 1 compared to North Star

Image credit: The Schools' Observatory PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Proxima Centauri
Type: Star



First Identified: 2000 BCE
Distance: 4.2 light years from Earth
Diameter (km): 214,000
Standard Form: 2.14×10^5
Brightness: 0.0000039 compared to North Star

Image credit: The Schools' Observatory PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Saturn
Type: Planet



First Identified: 2000 BCE
Distance: 0.0001 light years from Earth
Diameter (km): 120,500
Standard Form: 1.205×10^5
Brightness: 10 compared to North Star

Image credit: NASA/JPL-Caltech/Space Science Institute

Name: Sirius
Type: Star



First Identified: 2000 BCE
Distance: 8.6 light years from Earth
Diameter (km): 2,400,000
Standard Form: 2.4×10^6
Brightness: 24 compared to North Star

Image credit: The Schools' Observatory

Name: The Bubble Nebula - NGC 7635
Type: Nebula



First Identified: 1787
Distance: 7,100 light years from Earth
Diameter (km): 70,000,000,000,000
Standard Form: 7×10^{13}
Brightness: 0.00062 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory

Name: The Cigar Galaxy - M82
Type: Galaxy



First Identified: 1774
Distance: 12,000,000 light years from Earth
Diameter (km): 350,000,000,000,000,000
Standard Form: 3.5×10^{17}
Brightness: 0.0027 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory

Name: The Crab Nebula - M1
Type: Nebula



First Identified: 1731
Distance: 6,500 light years from Earth
Diameter (km): 110,000,000,000,000
Standard Form: 1.1×10^{14}
Brightness: 0.0027 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory

Name: The Dumbbell Nebula - M27
Type: Nebula



First Identified: 1764
Distance: 1,360 light years from Earth
Diameter (km): 27,000,000,000,000
Standard Form: 2.7×10^{13}
Brightness: 0.0062 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory

Name: The Eagle Nebula - M16
Type: Nebula



First Identified: 1745
Distance: 6,500 light years from Earth
Diameter (km): 660,000,000,000,000
Standard Form: 6.6×10^{14}
Brightness: 0.025 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory

Name: The Moon
Type: Moon (Earth)



First Identified: 2000 BCE
Distance: <0.0001 light years from Earth
Diameter (km): 3,474
Standard Form: 3.474×10^3
Brightness: 740000 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory

Name: The Owl Nebula - M97
Type: Nebula



First Identified: 1781
Distance: 2,600 light years from Earth
Diameter (km): 17,000,000,000,000
Standard Form: 1.7×10^{13}
Brightness: 0.00068 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory



Name: The Propeller Galaxy - NGC 7479
Type: Galaxy



First Identified: 1784
Distance: 110,000,000 light years from Earth
Diameter (km): 1,100,000,000,000,000
Standard Form: 1.1×10^{18}
Brightness: 0.00014 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory



Name: The Ring Nebula - M57
Type: Nebula



First Identified: 1779
Distance: 2,300 light years from Earth
Diameter (km): 24,000,000,000,000
Standard Form: 2.4×10^{13}
Brightness: 0.0019 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory



Name: The Sun
Type: Star



First Identified: 300,000 BCE
Distance: <0.0001 light years from Earth
Diameter (km): 1,391,000
Standard Form: 1.391×10^6
Brightness: 310,000,000,000 compared to North Star

Image credit: NASA/SDO



Name: The Whirlpool Galaxy - M51
Type: Galaxy

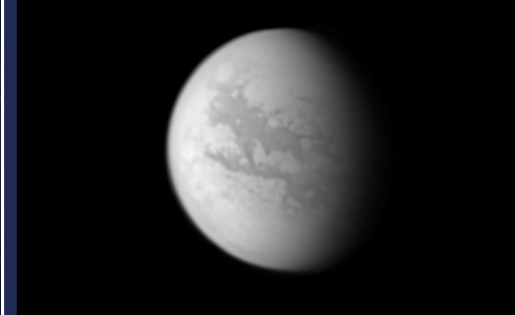


First Identified: 1773
Distance: 23,000,000 light years from Earth
Diameter (km): 710,000,000,000,000,000
Standard Form: 7.1×10^{17}
Brightness: 0.0028 compared to North Star

Image credit: The Liverpool Telescope/ The Schools' Observatory



Name: Titan
Type: Moon (Saturn)



First Identified: 1655
Distance: 0.0001 light years from Earth
Diameter (km): 5,150
Standard Form: 5.15×10^3
Brightness: 0.0033 compared to North Star

Image credit: NASA/JPL/Space Science Institute



Name: Titania
Type: Moon (Uranus)



First Identified: 1787
Distance: 0.0003 light years from Earth
Diameter (km): 1,577
Standard Form: 1.577×10^3
Brightness: 0.000017 compared to North Star

Image credit: NASA/JPL



Name: Uranus
Type: Planet



First Identified: 1781
Distance: 0.0003 light years from Earth
Diameter (km): 51,120
Standard Form: 5.112×10^4
Brightness: 0.043 compared to North Star

Image credit: NASA/JPL-Caltech



Name: UY Scuti
Type: Star



First Identified: 1860

Distance: 5,000 light years from Earth

Diameter (km): 1,700,000,000
Standard Form: 1.7×10^9

Brightness: 0.003 compared to North Star

Image credit: The Schools' Observatory PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Vega
Type: Star



First Identified: 2000 BCE

Distance: 25 light years from Earth

Diameter (km): 3,285,000
Standard Form: 3.285×10^6

Brightness: 6.31 compared to North Star

Image credit: The Schools' Observatory PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

Name: Venus
Type: Planet



First Identified: 20,000 BCE

Distance: <0.0001 light years from Earth

Diameter (km): 12,100
Standard Form: 1.21×10^4

Brightness: 565 compared to North Star

Image credit: NASA/JPL PROUD TO BE PART OF LIVERPOOL JOHN MOORES UNIVERSITY

ASTRO CARDS

Instructions:

The winner is the person who has all the cards at the end of the game.

Shuffle the deck and deal an equal number to each player face down.

The person with the next birthday goes first!

Choose a category and see who wins!

First Identified: Oldest wins

Distance: Largest wins

Diameter (km): Largest wins

Brightness: Largest wins

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