

Name:

## WHY HUMANS BUILD UP Trivia



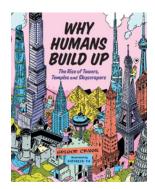
## Fill in the blank:

- 1. The Tower of \_\_\_\_\_\_ was the "super-skyscraper of its day", built about 8300 BCE.
- 2. Pyramids were not built for people to live in, they were built as \_\_\_\_\_\_ for Egyptian kings or Pharaohs.
- 3. A many-tiered tower that is a sacred building erected by Buddhists is called a \_\_\_\_\_\_.
- 4. Paris is the home of the famous \_\_\_\_\_\_Tower, made of wrought iron.
- 5. The Leaning Tower of \_\_\_\_\_\_ was closed for 7 years in the 1990s because it was at risk of falling over. The ground beneath had to be stabilized and work done to restore the tilt to 3.97°
- 6. List four of the eleven reasons (also chapter titles) the book gives to answer the question "Why humans build up"
  - 1) \_\_\_\_\_
  - 2) \_\_\_\_\_
  - 3) \_\_\_\_\_
- 7. The official/formal name of the tower known as Big Ben is\_\_\_\_\_\_.
- 8. The CN Tower opened in the year\_\_\_\_\_\_.
- 9. What are two benefits of having express elevators in tall buildings?
  - 1) \_\_\_\_\_\_
- 10. The building Taipei 101 has a giant steel ball called a \_\_\_\_\_\_ to counteract the building's side-to-side movements in strong wind.
- 11. Where is the Space Needle located (city & state)? \_\_\_\_\_\_
- 12. India's richest man built for himself, his family and employees a 27-floor building called

\_\_\_\_\_. This building includes a grand ballroom, a theatre and three heliports!

- 13. The Bahrain World Trade Center uses "Green Technologies" such as (name 2 of the 4):
  - 1) \_\_\_\_\_
  - 2) \_\_\_\_\_
- 14. Manitoba Hydro Place is a building that uses 70% \_\_\_\_\_\_ energy than similar sized buildings.

Review the Glossary on pages 80-81 of the book to learn about terms used!



## WHY HUMANS BUILD UP Trivia



## Answers

- 1. The Tower of <u>(Jericho)</u> was the "super-skyscraper of its day", built about 8300 BCE. (pp.6-7)
- 2. Pyramids were not built for people to live in, they were built as <u>(tombs)</u> for Egyptian kings or Pharaohs. (p.14)
- 3. A many-tiered tower that is a sacred building erected by Buddhists is called a (pagoda). (p15)
- 4. Paris is the home of the famous (Eiffel) Tower, made of wrought iron (pp.26-27)
- 5. The Leaning Tower of (<u>Pisa</u>) was closed for 7 years in the 1990s because it was at risk of falling over (p.18)
- List four of the eleven reasons (also chapter titles) the book gives to answer the question "Why do humans build up?" (Any 4 of these: 1. Security 2. Spirituality 3. Ingenuity 4. Utility 5. Rivalry 6. Beauty 7. Industry 8. Observatories 9. Luxury 10. Efficiency 11. Sustainability) (Table of Contents)
- 7. The official/formal name of the tower known as Big Ben is (The Elizabeth Tower) (p.30)
- 8. The CN Tower opened in the year (1976) (p.35)
- 9. The two benefits of having express elevators in tall buildings are
  - 1) <u>Reduces the number of elevators needed</u>
  - 2) <u>Reduces the number of floors people will have to stop at on their way up or down</u>
- 10. Taipei 101 has a giant steel ball called a (tuned mass damper) (p. 48)
- 11. The location of the Space Needle is (Seattle, Washington). (p.59)
- India's richest man built for himself, his family and employees a 27-floor building called (<u>Antilia</u>). (p.66)
- 13. The Bahrain World Trade Center uses "Green Technologies" such as (any 2 of these 4) (p.76):
  - 1) Wind turbines
  - 2) <u>Seawater cooling</u>
  - 3) Shading measures
  - 4) Deep gravel roofs for insulation
- 14. Manitoba Hydro Place is a building that uses 70% (<u>less</u>) energy than similar sized buildings. (p.77)