

Name: _____

Identifying Land Features in the Lehigh Valley Area

Your task is to use aerial photography to identify 21 features in the Lehigh Valley area. Recall that the following elements can be used to identify objects in aerial photographs: **tone, size, shape, texture, pattern, shadow, site,** and **association**.

Open the **Lehigh Valley Features.kml** file in Google Earth. Try to identify each location. Complete the chart below for each location. In the second column, write if you think the feature is **natural** or **manmade**. In the third column, write what you think the feature might be. In the last column, provide **evidence** that supports your claim. Your evidence should include observable elements you used to identify the object.

| Location | Manmade or Natural Feature? | What might it be? | Evidence to support your claim |
|----------|-----------------------------|--|--|
| A | Manmade | Steel factory blast furnace | The feature is dark black and appears larger than the nearby buildings. It is located in the southside in Bethlehem. It is near many industrial looking buildings and is close to the river. The site is next to a river. |
| B | Manmade | Casino brownfield site | The feature appears to be a clear area of dirt. There are adjacent buildings nearby that indicate this may be an industrial area. The site is next to a river. |
| C | Manmade | Broughal Middle School, southside Bethlehem | The feature appears to be a square building with an adjacent parking lot and a large green field behind it. The field appears to have a brown corner often seen in baseball fields. The site is in a dense urban area. |
| D | Manmade | Sand Island Park, Tennis Courts | The feature is a large rectangular smooth surface with a different color tone than the adjacent parking lot surface. Trees and brown trail paths surround it. The site is next to a river and near another smaller paved surface with red and green colors. |
| E | Manmade | Lehigh University Athletic Complex, Football Field | The center of this large structure contains a large green area surrounded by two large white polygons on the east and west sides. Large green and brown areas surround the structure. A paved parking area is located to the south of the structure. |
| F | Manmade | Bethlehem Municipal Golf Course | This is a large green area with many smaller light green circular areas and adjacent white areas. Lines of trees in certain places are visible as are irregularly shaped tan areas. A parking lot is located to the east. |
| G | Manmade | Football field at Liberty High School | The feature appears to be a green and brown colored rectangle surrounded by an oval off-red surface. It is located next to a building complex with a parking lot and a large green field with a brown corner often seen in baseball fields. The site is in a dense urban area. |
| H | Manmade | Lehigh Valley International airport, Runway | This feature has two main long smooth surfaces that go in opposite directions. It is connected by roads to a large building with a wheel and spoke design. It is near two large parking areas. Dense urban area to the south and west. |
| I | Manmade | Fairground area in Allentown | The feature looks like an oval racetrack with some green grass. It is located next to a series of buildings. It is next to a big parking lot. It is located in the center of an urban area. The city is most likely Allentown. |

| Location | Manmade or Natural Feature? | What might it be? | Evidence to support your claim |
|----------|-----------------------------|--|--|
| J | Manmade | Cedar Park, Pond, Allentown | This structure has a much darker tone compared to its surroundings. It is an irregular shape and has a small island of trees in its center. The surrounding area is green and contains trees. It is located in a dense urban area. |
| K | Manmade | Dorney Park | This large area contains many unique looking structures of various sizes, shapes, and colors. The area is predominantly paved in off-white and is adjacent to two very large asphalt-colored parking areas. Major roads and a highway interchange are nearby. |
| L | Manmade | Industrial complex (off Shantz road) | This area contains many rectangular shaped structures. Major roads and a highway interchange are nearby. Nearby are many geometrically shaped tan parcels of land. |
| M | Natural - altered | Farm area | This area contains interchanging colors of green and tan rows of land. A complex of buildings is located on this area. It is surrounded by a large area containing many geometrically shaped tan and green parcels of land. |
| N | Manmade | Northampton Area High School complex | This is a complex of large geometrically shaped buildings with large adjacent green field areas. There are adjacent residential areas. |
| O | Natural - altered | Limestone quarry - filled | This is an irregularly large shaped object with a dark smooth black appearance typical of water. Gray and green areas and a road immediately surround it. Many geometrically shaped tan parcels of land are located to the north. |
| P | Natural - altered | Limestone quarry - active | This feature contains alternating gray and black colors of lines. The center contains a much smoother textured area- typical of water that is a greenish-brown color. It is located between two large dark colored features of irregular shape. |
| Q | Natural - altered | Lehigh River at Northampton Dam | This is a white-colored area typical of a dam flow in a dark-colored river. It is located immediately south of a bridge. A large complex of buildings are on the west riverbank. The east river bank contains a green park area along the river and a residential community. |
| R | Manmade and natural | Blue Mountain Ski Area | This area appears to be a large forested area that has been carved out with a series of "smooth" textured pathways. A large parking area is located at the north of this area. Three smaller "ponds" appear in this area. |
| S | Manmade | Hercules Cement Plant | This is a large complex of buildings. A large greenish colored "pond-like" area is next to the complex. An extensive trail-like system of alternating gray and black colors of lines is located immediately to the west of the complex. |
| T | Natural | Jacobsburg EE Center, Bushkill Creek | This appears to be a large natural area of grass and trees. A thin black line with many bends and curves winds through the area. This is the Bushkill Creek. Many tan colored geometric shaped parcels of land surround this area. |
| U | Natural – altered (dam) | Confluence of the Lehigh and Delaware Rivers | Two rivers appear to intersect at this point. The river from the west has a darker color than the river from the north. The point of convergence contains white water typical of a dam flow. This area is located in a dense urban area. |

