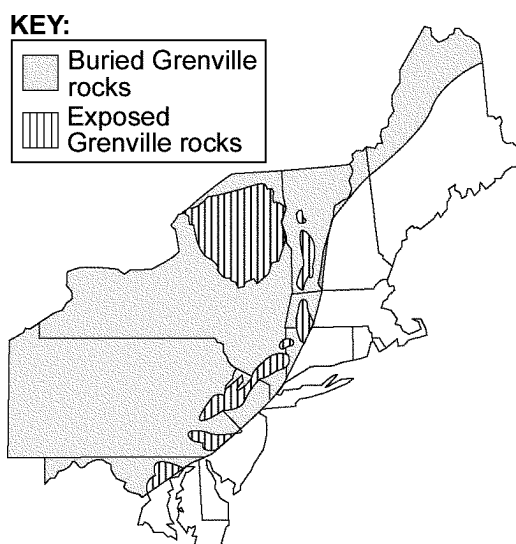Name: _____

LANDSCAPES - REGENTS REVIEW
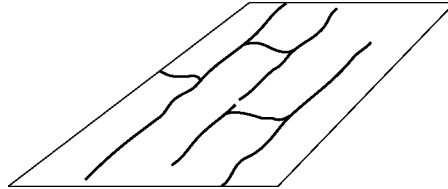
1) New York State's generalized landscape regions are identified primarily on the basis of elevation and

A) geologic age   B) climate zones   C) latitude   D) bedrock structure

2) New York State landscape regions are identified and classified primarily by their

A) surface topography and bedrock structure
B) existing vegetation and type of weather
C) chemical weathering rate and nearness to large bodies of water
D) latitude and longitude

3) The generalized landscape regions of New York State are classified according to

A) climate and topography   C) bedrock type and index fossils
B) bedrock structure and elevation   D) latitude and longitude

4) What elevation and bedrock structure are generally found in the Catskills?

A) high elevation and horizontal sedimentary bedrock structure
B) low elevation and horizontal sedimentary bedrock structure
C) high elevation and folded metamorphic bedrock structure
D) low elevation and folded metamorphic bedrock structure

5) Which two types of rock are most commonly found as outcrops in New York State's Newark Lowlands landscape region?

A) rock salt and gypsum   C) conglomerate and sandstone
B) gneiss and quartzite   D) limestone and granite

6) The Catskills landscape region is classified as a plateau primarily because the region has

A) jagged hilltops   C) V-shaped valleys
B) folded metamorphic rock   D) horizontal bedrock structure

7) Which two landscape regions in New York State have the *oldest* surface bedrock?

A) Taconic Mountains and the Catskills   C) Allegheny Plateau and Newark Lowlands
B) Adirondack Mountains and Hudson Highlands   D) Tug Hill Plateau and Erie-Ontario Lowlands

8) During which two geologic time periods did *most* of the surface bedrock of the Taconic Mountains form?

A) Cambrian and Ordovician   C) Silurian and Devonian
B) Pennsylvanian and Mississippian   D) Triassic and Jurassic

9) The map below shows the location of Grenville-age bedrock found in the northeastern United States.

KEY:
☐ Buried Grenville rocks
▥ Exposed Grenville rocks
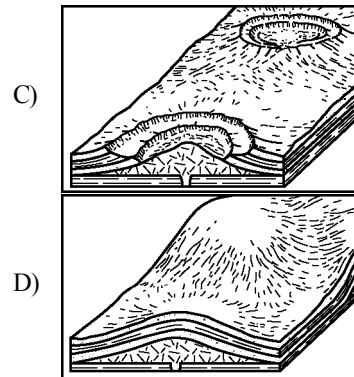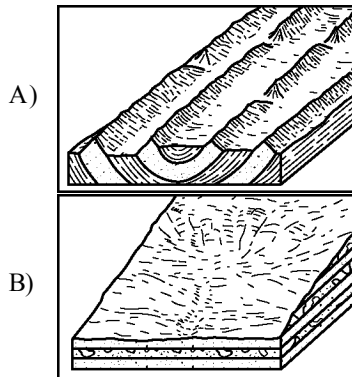
In which New York State landscapes is Grenville-age bedrock exposed at Earth's surface?

A) Catskills and Allegheny Plateau   C) Hudson Highlands and Adirondack Mountains
B) Tug Hill Plateau and Atlantic Coastal Plain   D) Erie-Ontario Lowlands and St. Lawrence Lowlands

10) Which sequence shows the order in which landscape regions are crossed as an airplane flies in a straight course from Albany, New York, to Massena, New York?

A) plateau ⟶ mountain ⟶ plain

B) plateau ⟶ plain ⟶ mountain

C) mountain ⟶ plain ⟶ plateau

D) plain ⟶ mountain ⟶ plain

11) Which block diagram *best* represents a portion of a plateau?

A)

C)

B)

D)

12) New York State's Catskills are classified as which type of landscape region?

A) plain   B) mountain   C) lowland   D) plateau

13) In New York State, *both* the Delaware River and the Susquehanna River flow over landscapes classified as

A) mountain regions   B) lowlands   C) plateaus   D) coastal plains

14) The block diagrams below show two landscape regions labeled *A* and *B*.

What is the *most* probable cause of the difference in surface features between *A* and *B*?

A) *A* is at a high elevation, while *B* is located at sea level.

B) *A* is a plateau region, while *B* is a mountainous region.

C) *A* is composed of igneous bedrock, while *B* is composed of sedimentary bedrock.

D) *A* is the result of a humid climate, while *B* is the result of a dry climate.

15) Salt deposits are found in the surface bedrock near which New York State location?

A) Syracuse   B) Old Forge   C) Oswego   D) Albany

16) The list below shows characteristics that vary from place to place on Earth.

(*a*) Radioactive substances
(*b*) Bedrock structures
(*c*) Duration of insolation
(*d*) Hillslopes
(*e*) Stream patterns
(*f*) Atmospheric composition

Observations and measurements of which three characteristics would be *most* useful in describing landscapes?

A) *b*, *c*, and *f*   B) *b*, *d*, and *e*   C) *a*, *b*, and *c*   D) *d*, *e*, and *f*
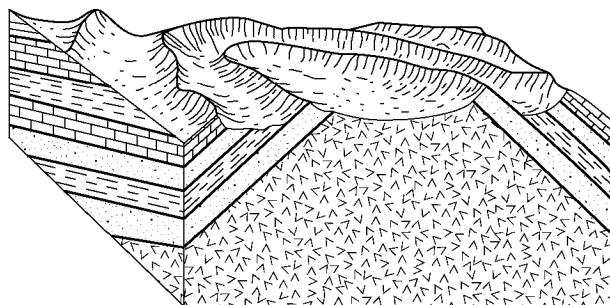
17) Landscapes with horizontal bedrock structure, steep slopes, and high elevations are classified as

A) plain regions   B) lowland regions   C) plateau regions   D) mountain regions

18) Buffalo, New York, and Plattsburgh, New York, are *both* located in landscape regions called

A) lowlands   B) mountains   C) plateaus   D) highlands

19) Which two locations are in the same New York State landscape region?

A) Albany and Old Forge   C) Jamestown and Ithaca
B) Binghamton and New York City   D) Massena and Mt. Marcy

20) In which New York State landscape region is Niagara Falls located?

A) Allegheny Plateau   C) Tug Hill Plateau
B) St. Lawrence Lowlands   D) Erie-Ontario Lowlands

21) The diagram below represents a map view of a stream drainage pattern.

Which underlying bedrock structure most likely produced this stream drainage pattern?
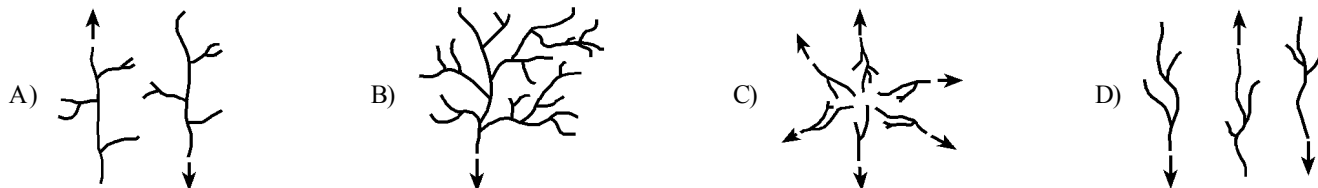
A)

B)

C)

D)

22) The block diagram below represents a deeply eroded dome.

Which of the following maps shows the stream drainage pattern that would most likely develop on this deeply eroded dome?

A)

C)

B)

D)

23) Which stream-drainage pattern most likely developed on the surface of a newly formed volcanic mountain?
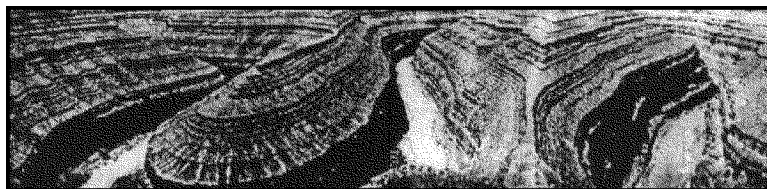
A)

B)

C)

D)

24) Which New York State river flows generally southward?

A) Hudson River   B) Niagara River   C) St. Lawrence River   D) Genesee River

25) Which *two* New York State landscape regions are formed mostly of surface bedrock that is approximately the same geologic age?

A) Tug Hill Plateau and St. Lawrence Lowlands
B) Manhattan Prong and Atlantic Coastal Plain
C) Erie-Ontario Lowlands and Adirondack Mountains
D) Adirondack Mountains and Allegheny Plateau

26) In which New York State landscape region is most of the surface bedrock composed of metamorphic rock?

A) Newark Lowlands
B) Adirondacks
C) Erie-Ontario Lowlands
D) Catskills

27) In what New York State landscape region is surface bedrock generally composed of metamorphic rock?

A) Adirondack Mountains
B) the Catskills
C) Newark Lowlands
D) Tug Hill Plateau

28) Large garnet mineral crystals are found in the metamorphic surface bedrock in which New York State landscape region?

A) Tug Hill Plateau
B) Catskills
C) Adirondacks
D) Erie-Ontario Lowlands

29) The shore of which New York State body of water has large amounts of metamorphic bedrock exposed at the surface?

A) southern shore of Long Island Sound
B) eastern shore of Lake Erie
C) southern shore of Lake Ontario
D) western shore of Lake Champlain

30) What is the age of the most abundant surface bedrock in the Finger Lakes region of New York State?

A) Permian   B) Pennsylvanian   C) Cambrian   D) Devonian

31) The table below describes the characteristics of three landscape regions, *A*, *B*, and *C*, found in the United States.

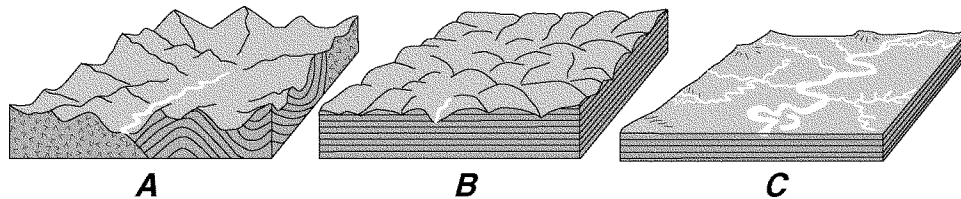| Landscape	Bedrock	Elevation/Slopes	Streams
A	Faulted and folded gneiss and schist	High elevation Steep slopes	High velocity Rapids
B	Layers of sandstone and shale	Low elevation Gentle slopes	Low velocity Meanders
C	Thick horizontal layers of basalt	Medium elevation Steep to gentle slopes	High to low velocity Rapids and meanders

Which list *best* identifies landscapes *A*, *B*, and *C*?

A) *A* — plain, *B* — mountain, *C* — plateau

B) *A* — mountain, *B* — plain, *C* — plateau

C) *A* — plain, *B* — plateau, *C* — mountain

D) *A* — plateau, *B* — mountain, *C* — plain

32) The photograph below shows an eroded plateau found in the southwestern United States.
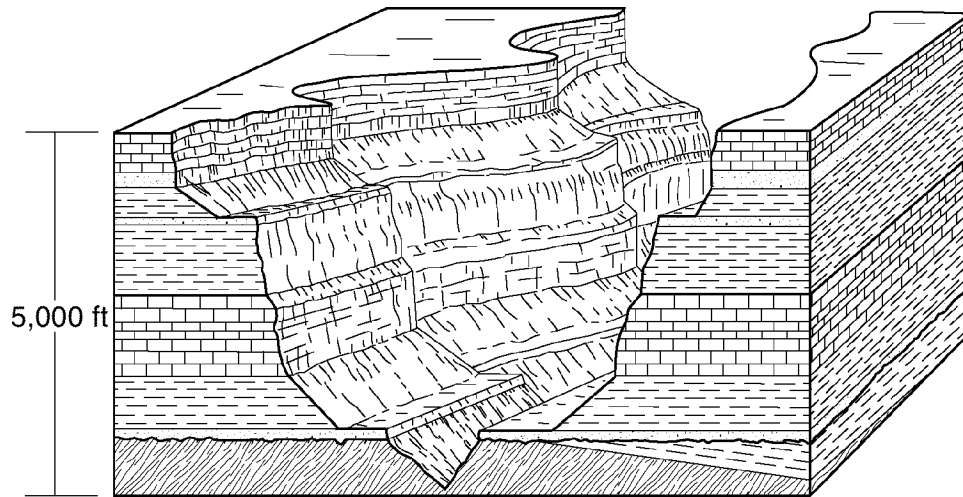

Which processes most likely developed this landscape?

A) crustal uplift and glacial erosion

B) crustal folding and glacial erosion

C) crustal uplift and stream erosion

D) crustal folding and stream erosion

33) The block diagrams below, labeled *A*, *B*, and *C*, show the relative elevation and rock structure of three different landscape regions.

A   **B**   **C**

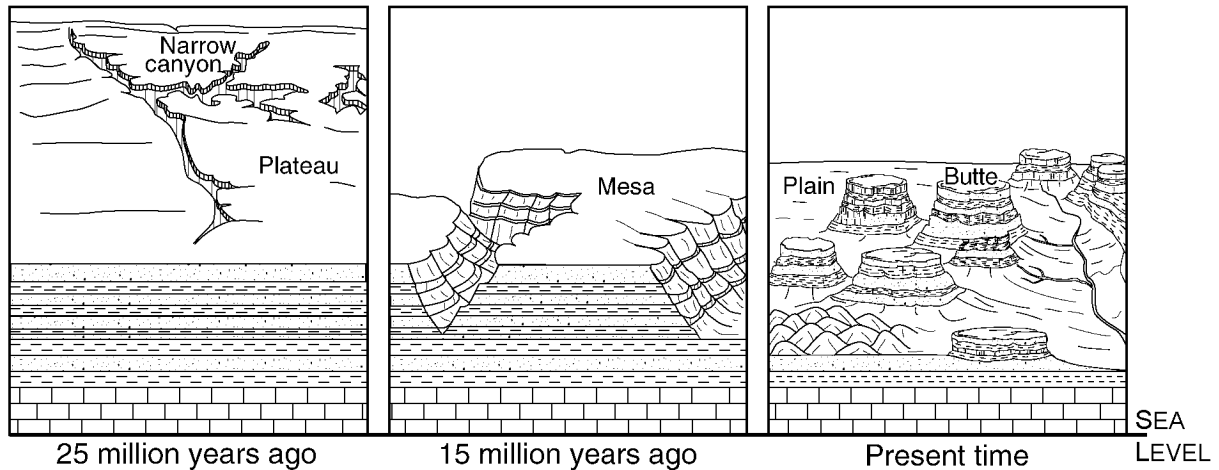Which of the following sets correctly identifies the landscape region shown in each block diagram?

A) *A*—plateau, *B*—mountain, *C*—plain

B) *A*—plateau, *B*—plain, *C*—mountain

C) *A*—mountain, *B*—plain, *C*—plateau

D) *A*—mountain, *B*—plateau, *C*—plain

34) The block diagram below represents a portion of the Grand Canyon.

This region is *best* classified as a

A) lowland   B) plateau   C) mountain   D) plain

35) The sequence of bedrock cross sections below represents the same landscape region over a period of geologic time.

This sequence *best* represents

A) a humid region that experienced mostly erosional forces
B) a humid region that experienced mostly uplifting forces
C) an arid region that experienced mostly uplifting forces
D) an arid region that experienced mostly erosional forces