

## VERTEBRAL COLUMN X-RAYS – QUESTIONS

### A-1

- A. ID feature and vertebra
- B. ID bone
- C. ID feature and vertebrae #
- D. ID feature and vertebrae #
- E. ID feature and vertebrae #
- F. ID bone
- G. ID bone

### A-2

- A. Name the abnormal curvature between C & D
- B. ID specific bone
- C. ID feature and vertebrae #

### A-3

- A. ID specific bone
- B. ID feature and vertebrae #
- C. What fills this space?

### A-4

- A. ID feature and vertebrae #
- B. ID feature
- C. ID curvature. Primary or secondary?

### A-4A

Compare the gap size between L<sub>5</sub>-S<sub>1</sub> on this patient to that of A-4. This former anatomy student suffered nerve compression due to disc degeneration.

### A-5

- A. ID feature and vertebra (Note why this vertebra is also called “vertebra prominens”.)
- B. Name the two bony features that form this joint.
- C. ID feature and bone
- D. ID feature and bone

### A-6

- Observe the plate used to “fuse” C<sub>5</sub>, C<sub>6</sub>, & C<sub>7</sub>

### A-7 – Child’s thorax

- Note sharp angle of ribs 11 & 12.
- Note that ribs 10-12 articulate with only one vertebral body, but superior ribs articulate with 2

### A-8

- A. ID feature and bone
- B. ID feature
- D. ID muscular feature
- E. Note shadow of heart

### A-9 – Child’s thorax

- Compare to A-8 and note formation of sternal body from multiple “sternabrae”

### A-10 – Correction of severe scoliosis

- A-11 – Note compensatory lumbar scoliosis secondary to thoracic scoliosis

## VERTEBRAL COLUMN X-RAYS – ANSWERS

### A-1

- A. dens of axis
- B. atlas
- C. body of C<sub>3</sub>
- D. spinous process of C<sub>6</sub>
- E. body of T<sub>1</sub>
- F. 1<sup>st</sup> rib
- G. hyoid

### A-2

- A. scoliosis
- B. 12<sup>th</sup> rib
- C. body L<sub>1</sub>

### A-3

- A. 12<sup>th</sup> rib
- B. transverse process of L<sub>3</sub>
- C. intervertebral disc

### A-4

- A. body L<sub>4</sub>
- B. sacral promontory
- C. sacral (pelvic) curvature; primary

### A-5

- A. spinous process C<sub>7</sub>
- B. superior articular facet of C<sub>5</sub> and inferior articular facet of C<sub>4</sub>
- C. greater cornu of hyoid
- D. body of hyoid

### A-8

- A. manubrium of sternum
- B. sternal angle
- D. diaphragm