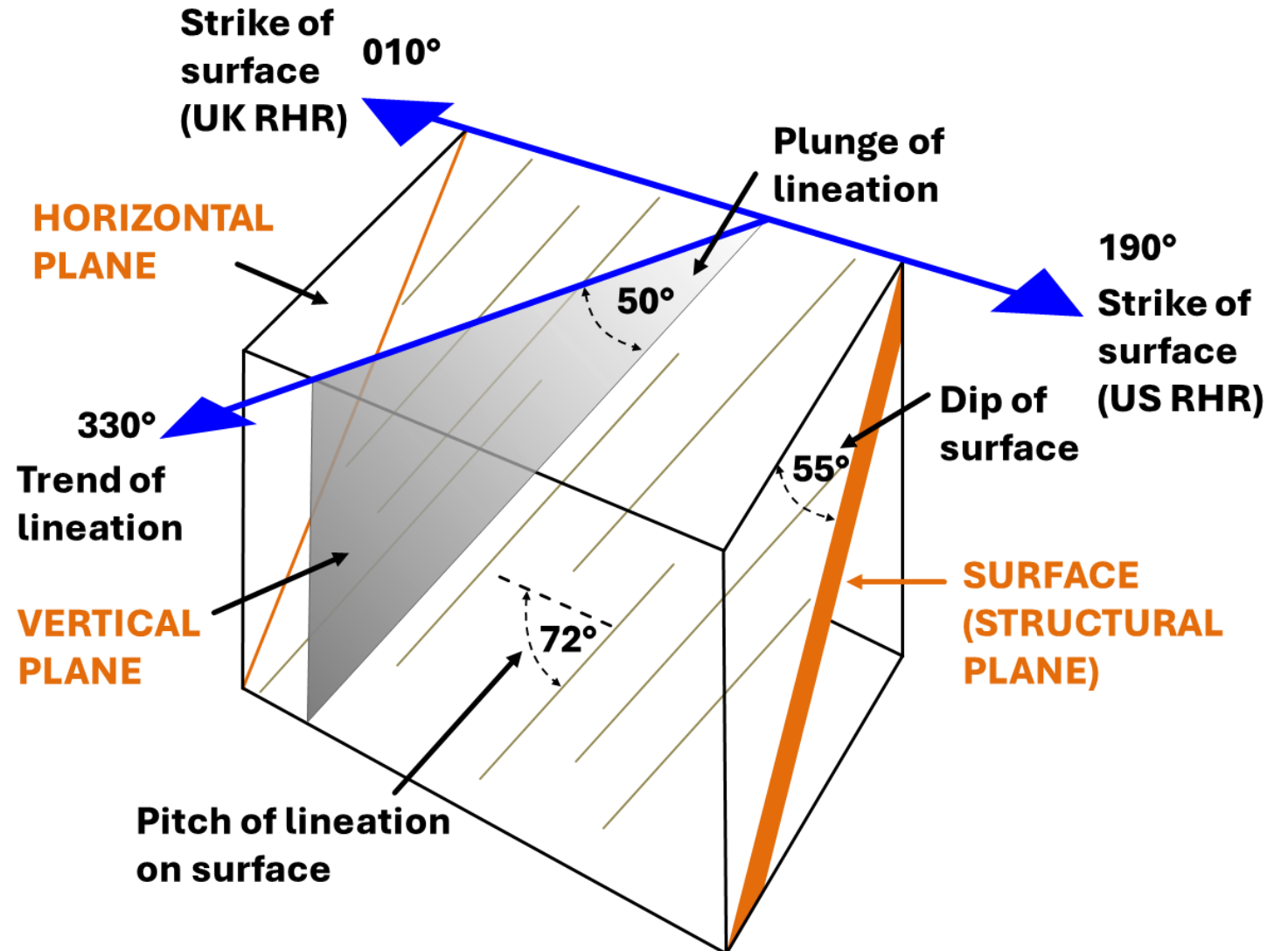


# Orientation Convention

**Dip 55°, Strike 190°**

1. DDD (Dip-direction, Dip):  
280,55
2. Strike/Dip (RHR):  
a) Azimuth: 190/55 W  
b) Quadrant: S10W/55 W
3. Strike/Dip (UK RHR):  
a) Azimuth: 010/55 W  
b) Quadrant: N10E/55 W



# Surface (Plane)

## Structures with surface

bed;

bedding plane; lamination;

fissility;

foliation;

slaty cleavage;

phyllitic foliation;

schistosity;

gneissic banding;

mylonitic foliation;

fracture;

joint;

fault;

fold arm or limb;

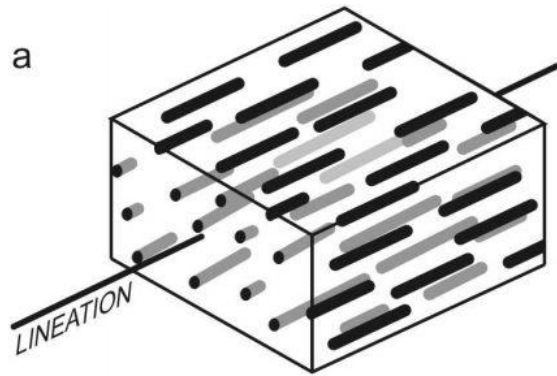
pressure solution cleavage;

crenulation cleavage,

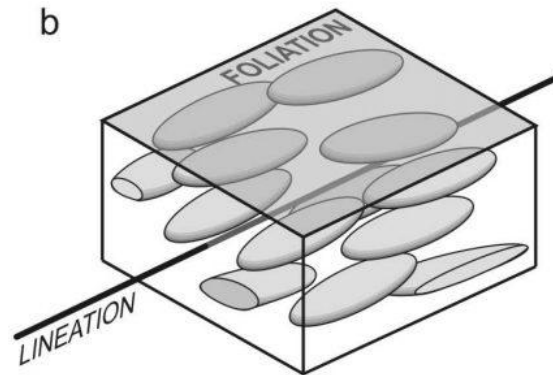
slickenside

# Lineation (Line)

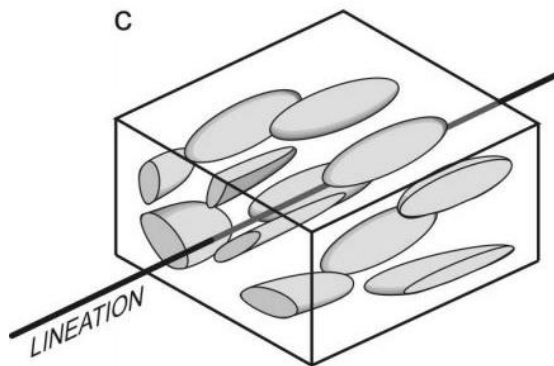
## Structures with lineation



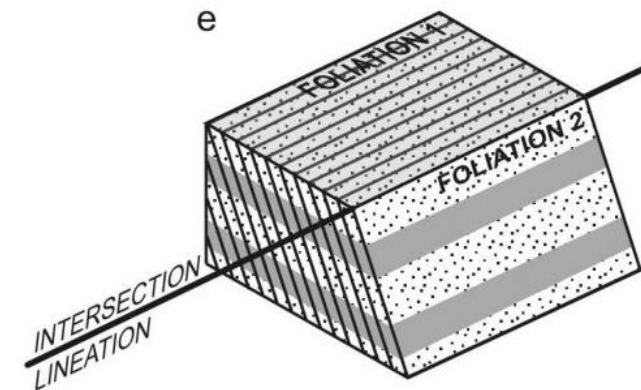
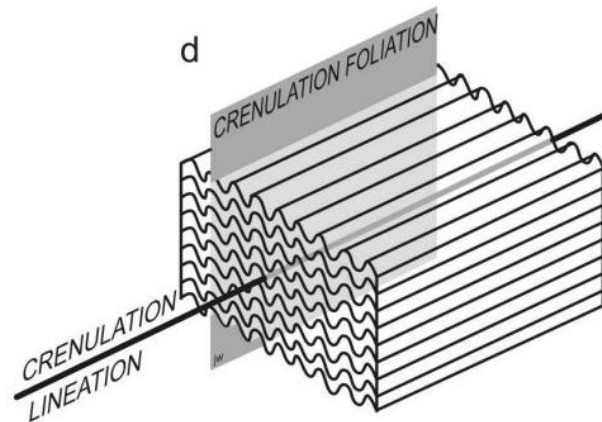
elongated minerals



deformed pebbles



undeformed pebbles

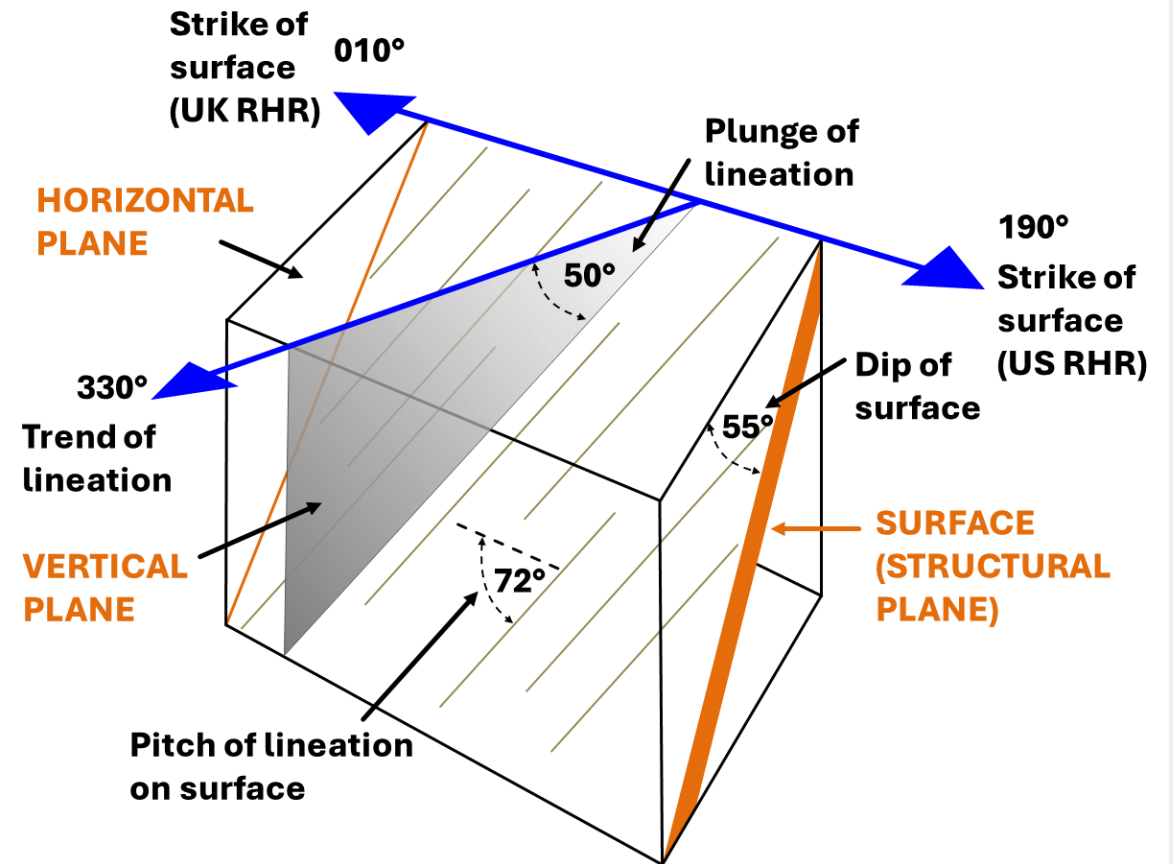


axis; hinge line; striations;  
linear furrows; linear marks;  
slickenlines; stretching  
lineation; crenulation  
lineation; mylonitic lineation;  
intersection lineation;

# Dip/Plunge

## Dip/Plunge noun or verb

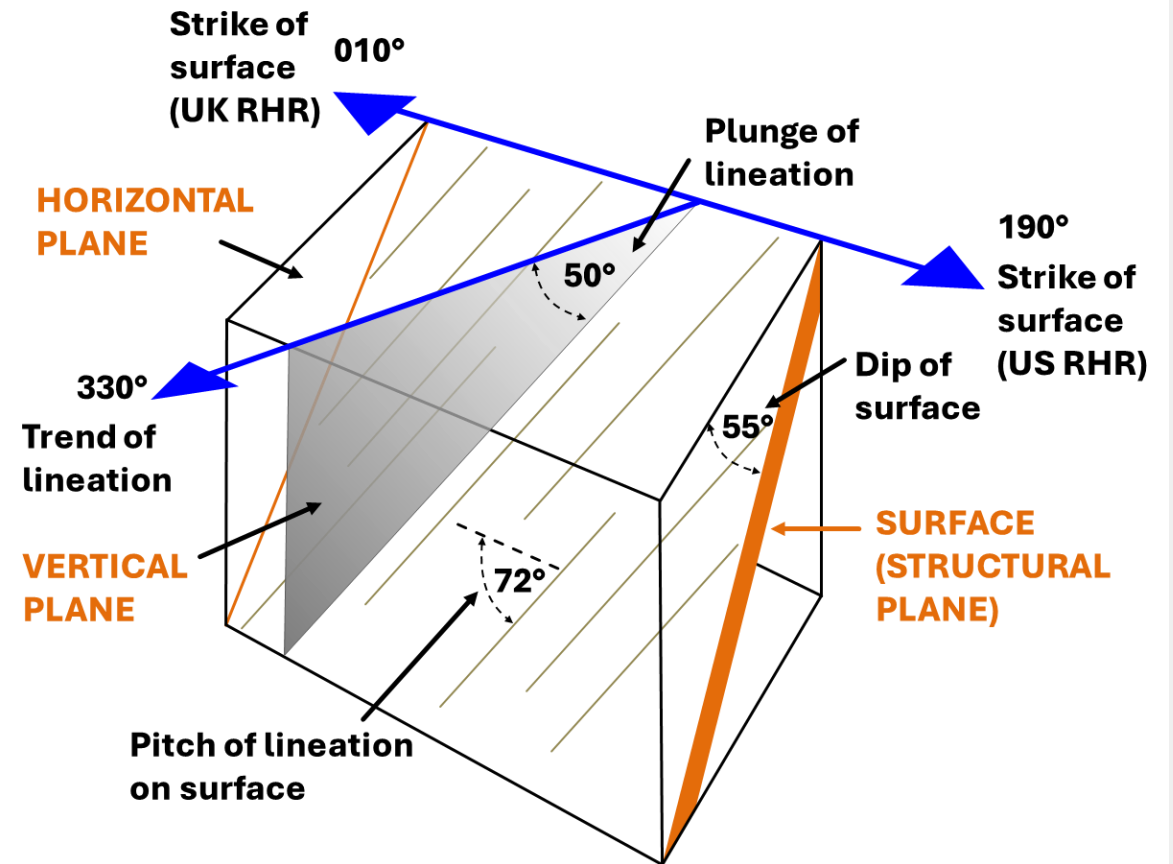
- The [dip] of the [surface] is  $55^\circ$ .
- The [surface] [dips] steeply from  $75-80^\circ$ .
- ...with [surface] [dipping]  $55^\circ$ ...
- The [lineation] [plunges]  $50^\circ$ .
- The [plunge] of the [lineation] ranges from  $45^\circ$  to  $50^\circ$ .



# Strike/Trend/Pitch

## Strike/Trend/Pitch **noun**

- The [strike] of the [surface] ranges from 010 to 015°.
- The [surface] has a [strike] of 015°.
- The [lineation] has a [trend] of 330°.
- The [pitch] of the [lineation] is 72°.



# Orientation Grammar Rules

## Orientation Convention

- The orientation of the [surface] is 280,55. The orientation of the [surface] is 190/55W with the dip ranging from 32 to 61 degrees.

