Order	Suborder	Meaning of Suborder	Major Land Uses	Fertility
Ent **isols** = recent, little if any profile development. **Youngest** soil. ***Found*** **--**SW Texas, Rocky MT. Region, FL, AL, GA, Nebraska--sandy.	**Aqu*ents***	**wet**	Wetlands, crops	moderate
	Ar*ents*	**mixed horizons**		
	Fluv*ents*	**Flood plains**	Crops	moderate
	Orth*ents*	**true; common ones**	Forest, range, crops	Low -- moderate
	Psamm*ents*	**Sand textures**	Crops, range	Low
Inc*ept* **isols** = Few diagnostic features: Inception of B horizon. ***Found*** --Mountain areas especially in the tropics, and in Asia. Southern NY, central & western Pennsylvania, W. Virginia & E. Ohio.	**Anthr*epts***	**human presence of anthropic epidon**		
	Aqu*epts*	**wet**	Crops	Low-----high
	Cry*epts*	**cold**	Tundra, forests	Moderate
	Ud*epts*	**humid**	Crops, forests	Low--moderate
	Ust*epts*	**dry climate**	Forests, range	Low-----high
	Xer*epts*	**dry summer; moist winter**	Range, forests	Mderate--high

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And **isols** = Volcanic ash and cinders. Young soils.	**Aqu*and*s**	**wet**		
Found --Pacific rim area.	***Cry ands***	**cold**	Tundra, forests	Moderate
	Torr*and*s	**hot & dry--usually dry**		
	Ud ands	**humid**		
	Ust*and*s	**burnt, dry climate**		
	Vitr*and*s	**resembling glass**		
	Xer*and*s	**dry summers, moist winters**	Forest, range, crops	Moderate
G*el* **isols** = Permafrost and Frost Churning. Mr.Freeze.	**Hist*el*s**	**(tissue)-presence of histic epipedon**	Bogs	Moderate
Found --Northern Russia, Canada and Alaska.	**Orth*el*s**	**true; the common one**	Tundra	Moderate
	Turb*el*s	**distribution; cryoturbation**	Tundra	Moderate
V*ert* **isols** = Dark, swelling and cracking clays.	**Aqu*ert*s**	**wet**	Wetlands, crops	High
Found --Ethiopa, India, Sudan and north & east Australia. Eastern Mississippi, western Alabama, SE Texas, Dakotas & California.	**Cry*ert*s**	**cold**		
	Ud*ert*s	**humid**	Crops	High
	Us*ert*s	**burnt--dry climate**	Crops, range	High
	Xer*ert*s	**Dry summers; moist winters**		

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H*ist* osoils = organic soils with out permafrost. ***Found*** --cold wet region; Alaska, Canada, Finland and Russia.	**Fibr*ists***	**fiber; least decomposed stage**		
	Fol*ists*	**(folia=leaf)---Mass of leaves**		
	Hem*ists*	**(hemi=half)--intermediate stage of decomposition**	Wetlands, crops	Moderate--high
	Sap*rists*	**(sapos=rotten)--most decomposed stage**	Wetlands, crops	High
Ar*id* isols = Dry soils	**Arg*ids***	**argillic horizon (With illuvial white clay)**	Crops, range	Low--moderate
Found --mostly western region of U.S. So. CA,Nevada, AZ, & central New Mexico. Sahara desert, Gobi and Taklamakan deserts.	**Calc*ids***	**Lime (calcic horizon)**	Range	Low
	Camb*ids*	**cambric horizon (cambriare=to change)**	Crops, range	Low
	Cry*ids*	**cold**	Range	Low
	Dur*ids*	**hard**	Range	Low
	Gyps*ids*	**gypsum==gypsic horizon**	Range	Low
	Sal*ids*	**salt==salt horizon**	Range	Low

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Sp*od* osols = Acid, sandy, forest soils, low bases. ***Found*** --NE U.S., northern Michigan & WI and southern Alaska.	**Aqu*ods***	**wet**	Forests	Low
	Cry*ods*	**cold**	Forests	Low
	Hum*ods*	**humus--earth-----Presence of organic matter**		
	Orth*ods*	**true---the common ones**	Forests	Low
M*oll* isols = Dark, soft soils of Grassland. ***Found*** --Great Plains, Illinois.	**Alb*olls***	**white clay; albic horizon**		
	Aqu*olls*	**wet**	Crops, wetlands	High
	Cry*olls*	**cold**	Crops, range	High
	Rend*olls*	**high in carbonates**		
	Ud*olls*	**humid**	Crops	High
	Ust*olls*	**burnt; dry climate**	Crops, range	High
	Xer*olls*	**dry summers, moist winters**	Crops, range	High
Alf* isols** = Argillic or Natric horizon, medium to high bases. ***Found --OH, IN, MI, WI, MN, PA and NY.	**Aqu*alfs***	**wet**	Crops, forests	High
	Cry*alfs*	**cold**	Forests	High
	Ud*alfs*	**humid**	Crops, forests	High
	Us*alfs*	**dry climate--usually dry summer**	Crops	High
	Xer*alfs*	**dry summer, moist winter**	Range	High

Order	Suborder	Meaning of Suborder	Major Land Uses	Fertility
Ult **isols** = Argillic horizon, low bases.	**Aqu*ults***	**wet**	Forest	Low--moderate
Found --SE part of U.S.	**Hum*ults***	**earth; presence of organic matter**		
	Ud*ults*	**humid**	Forest, crops	Low
	Ust*ults*	**dry climate--usually dry summer**	Forest, crops	Low
	Xer*ults*	**dry climate, moist winters**		
Ox **isols** = oxic horizon, highly weathered. **Oldest** soils.	**Aqu*ox***	**wet**		
Found --mostly tropics, So. America and Africa.	**Per*ox***	**thru-out time; year round humid climates**	Forest	Low
	Torr*ox*	**hot and dry; usually dry**		
	Ud*ox*	**humid**	Forest, crops	Low
	Ust*ox*	**dry climate--usually dry summer**	Forest, crops	Low